

NAVY YEARBOOK

—  
1915



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# NAVY YEARBOOK

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EMBRACING ALL ACTS AUTHORIZING  
THE CONSTRUCTION OF SHIPS  
OF THE "NEW NAVY"

AND

A RÉSUMÉ OF ANNUAL NAVAL APPROPRIATION  
LAWS FROM 1883 TO 1916, INCLUSIVE

WITH TABLES SHOWING PRESENT NAVAL  
STRENGTH, IN SHIPS AND PERSONNEL,  
AND COST OF MAINTAINING THE NAVY  
OF THE UNITED STATES

ALSO

STATISTICS OF FOREIGN NAVIES

COMPILED BY

B. R. TILLMAN, JR.



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1915

[Sundry civil act, June 25, 1910, 36 Stats., 703.]

\* \* \* and hereafter said Navy Yearbook shall be prepared and published for each calendar year and distributed as other public documents; and six thousand additional copies shall be printed and bound in cloth and distributed as follows: One thousand five hundred for the Senate, three thousand for the House of Representatives, one thousand for the Navy Department, and five hundred for the Committees on Naval Affairs of Senate and House.

## PREFATORY NOTE.

Thirty-three appropriation acts plus the personnel law and the usual statistical tables were all that could well be printed in one volume.

So that, in order to save space for additional information while at the same time making all of the contents more readily accessible, routine language repeated from year to year in successive appropriation acts is entirely omitted from the Yearbook for 1915.

The appropriation act of March 3, 1883, the temporary act of July 7, 1884, the special increase of Navy act of August 3, 1886, the personnel law of March 3, 1899, and the appropriation act of March 3, 1915, are printed in full—all new language in the last-named act being in italics.

Of the appropriation acts from 1884 to 1914, inclusive, only so much is printed as is needed to show the changes from year to year.

To supplement this abbreviated text and to facilitate comparison of any particular year with any other as well as to give the total cost of the new Navy, there is appended a tabulated statement showing by individual appropriations under each bureau of the Navy Department all amounts carried by the regular naval acts and also by the several deficiency acts from March 3, 1883, to date.

B. R. TILLMAN, Jr.



## INTRODUCTION.

The initial legislation for rebuilding the Navy commenced with the act of August 5, 1882 (Statutes, vol. 22, p. 291), which stipulated, under limitations, that no more money should be spent upon old wooden vessels and provided for the appointment of a Naval Advisory Board. The following are the important features of the act:

\* \* \* *Provided*, That no part of this sum [the regular annual appropriation for the Bureau of Construction and Repair] shall be applied to the repairs of any wooden ship when the estimated cost of such repairs shall exceed thirty per centum of the estimated cost of a new ship of the same size and like material: *Provided*, Nothing herein contained shall deprive the Secretary of the authority to order repairs of ships damaged in foreign waters or on the high seas, so far as may be necessary to bring them home. Any portion of said sum not required for the purposes aforesaid may be applied toward the construction of two steam cruising vessels of war, which are hereby authorized, at a total cost, when fully completed, not to exceed the amount estimated by the late Naval Advisory Board for such vessel, the same to be constructed of steel, of domestic manufacture, having as near as may be a tensile strength of not less than sixty-thousand pounds to the square inch, and a ductility in eight inches of not less than twenty-five per centum; said vessels to be provided with full sail-power and full steam-power. One of said vessels shall be of not less than five thousand nor more than six thousand tons displacement, and shall have the highest attainable speed, and shall be adapted to be armed with not more than four breech-loading rifled cannon, of high power, of not less than eight-inch caliber, or two of ten-inch caliber, and not more than twenty-one breech-loading rifled cannon, of high power, of not less than six-inch caliber; one of said vessels shall be of not less than four thousand three hundred nor more than four thousand seven hundred tons displacement, and shall have the highest attainable speed, and shall be adapted to be armed with four breech-loading rifled cannon, of high power, of not less than eight-inch caliber, or two of ten-inch caliber, and not more than fifteen breech-loading rifled cannon, of high power, of not less than six-inch caliber. The Secretary of the Navy is hereby empowered and directed to organize a board of naval officers and experts for his advice and assistance, to be called the "Naval Advisory Board," to serve during the period required for the construction, armament, and trial of the vessels hereby authorized to be constructed, and no longer. Said board shall consist of five officers on the active list of the Navy in the line and the staff, to be detailed by the Secretary of the Navy, without reference to rank and with reference only to character, experience, knowledge, and skill, and two persons of established reputation and standing, as experts in naval or marine construction, to be selected from civil life, and employed for this sole duty by the Secretary of the Navy, and to be paid such sum, out of the appropriation hereby made, not exceeding eleven thousand dollars, as he may direct: *Provided however*, That no person shall be a member of said board who has any interest, direct or indirect, in any invention, device, or process, patented or otherwise, to be used in the construction of said vessels, their engines, boilers, or armament, nor in any contract for the same. It shall be the duty of said board to advise and assist the Secretary of the Navy, in his office or elsewhere, in all matters referred to them by him relative to the designs, models, plans, specifications, and contracts for said vessels in all their parts, and relative to the materials to be used therein and to the construction thereof, and especially relative to the harmonious adjustment, respectively, of their hulls, machinery, and armament; and they shall examine all materials to be used in said vessels, and inspect the work on the same as it progresses, and have general supervision thereof, under the direction of said Secretary. But said board shall have no power to make or enter into any contract, nor to direct or control any



officer of the Navy, the chief of any bureau of the Navy, or any contractor. Neither of the vessels hereby authorized to be built shall be contracted for or commenced until full and complete detail drawings and specifications thereof, in all its parts, including the hull, engines, and boilers, shall have been provided or adopted by the Navy Department, and shall have been approved, in writing, by said board, or by a majority of the members thereof, and by the Secretary of the Navy; and after said drawings and specifications have been provided, adopted, and approved as aforesaid, and the work has been commenced or a contract made for it, they shall not be changed in any respect, when the cost of such change shall in the construction exceed five hundred dollars, except upon the approval of said board, or a majority of the members thereof, in writing, and upon the written order of the Secretary of the Navy; and, if changes are thus made, the actual cost thereof and the damage caused thereby shall be ascertained, estimated, and determined by said board; and in any contract made pursuant to this act it shall be provided in the terms thereof that the contractor shall be bound by the determination of said board, or a majority thereof, as to the amount of the increased or diminished compensation said contractor shall be entitled to receive, if any, in consequence of such change or changes. The Secretary of the Navy is hereby authorized to cause the said cruising vessels of war aforesaid to be provided with interior deflective steel armor, if the same, upon full investigation, shall seem to be practicable and desirable, and if the same shall be approved by said board, or a majority thereof, in writing. Before any of the vessels hereby authorized shall be contracted for or commenced the Secretary of the Navy shall, by proper public advertisement and notice, invite all engineers and mechanics of established reputation, and all reputable manufacturers of vessels, steam-engines, boilers, and ordnance, having or controlling regular establishments, and being engaged in the business, all officers of the Navy, and especially all naval constructors, steam-engineers, and ordnance officers of the Navy, having plans, models, or designs of any vessels of the classes hereby authorized, or of any part thereof, within any given period, not less than sixty days, to submit the same to said board; and it shall be the duty of said board to carefully and fully examine the same and to hear any proper explanation thereof, and to report to the Secretary of the Navy, in writing, whether, in their opinion, any such plan, model, or design, or any suggestion therein, is worthy of adoption in the construction of said vessels, their engines, boilers, or armament; and if in such construction any such plan, model, design, or suggestion shall be adopted, for the use of which any citizen not an officer of the Navy would have a just claim for compensation, the contractor shall bind himself to discharge the government from all liability on account of such adoption and use: *Provided*, That said Naval Advisory Board herein provided for shall, under the direction of the Secretary of the Navy, prepare plans, drawings, and specifications for vessels, their machinery, and armament, recommended by the late Naval Advisory Board not herein authorized to be built.



FORTY-SEVENTH CONGRESS, SECOND SESSION—MARCH 3, 1883.

[PUBLIC—No. 48.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-four, and for other purposes.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That the following sums be, and they are hereby, appropriated, to be paid out of any money in the Treasury not otherwise appropriated, for the naval service of the government for the year ending June thirtieth, eighteen hundred and eighty-four, and for other purposes:

For the pay of the Navy, for the active-list, namely: Pay of the Navy, active list.  
 For one Admiral, one Vice-Admiral, ten rear-admirals, eight chiefs of bureaus, twenty-four commodores, forty-eight captains, ninety commanders, eighty lieutenant-commanders, two hundred and eighty lieutenants, one hundred masters, the title of which grade is hereby changed to that of lieutenants, and the masters now on the list shall constitute a junior grade of and be commissioned as lieutenants, having the same rank and pay as now provided by law for masters, but promotion to and from said grade shall be by examination as provided by law for promotion to and from the grade of master, and nothing herein contained shall be so construed as to increase the pay now allowed by law to any officer in the line or staff; one hundred ensigns, ninety-one midshipmen, the title of which grade is hereby changed to that of ensign, and the midshipmen now on the list shall constitute a junior grade of, and be commissioned as, ensigns, Title of master changed to lieutenant.  
 having the same rank and pay as now provided by law for midshipmen, but promotions to and from said grade shall be under the same regulations and requirements as now provided by law for promotion to and from the grade of midshipmen, and nothing herein contained shall be so construed as to increase the pay now allowed by law to any officer of said grade or of any officer of relative rank; fourteen medical directors, fifteen medical inspectors, fifty surgeons, eighty passed assistant surgeons, twelve assistant surgeons, two assistant surgeons not in the line of promotion who shall hereafter, after fifteen years' service, be entitled to receive, as annual pay, when at sea, two thousand one hundred dollars, when on shore duty, one thousand eight hundred dollars, and when on leave or waiting orders one thousand six hundred dollars, thirteen pay directors, twelve pay inspectors, fifty paymasters, thirty past assistant paymasters, twenty assistant paymasters, sixty-nine chief engineers, ninety-

Title of midshipman changed to ensign.

nine past assistant engineers, sixty-two assistant engineers, sixty-two cadet engineers, twenty-three chaplains, eleven professors of mathematics, ten naval constructors, six assistant naval constructors, ten civil engineers, one hundred and ninety-five warrant officers, forty mates, three hundred and thirty-five naval cadets; in all, three million nine hundred and forty thousand eight hundred dollars: Hereafter only one-half of the vacancies in the various grades in the staff corps of the navy shall be filled by promotion until such grades shall be reduced to the numbers fixed for the several grades of the staff corps of the navy by the act of August fifth, eighteen hundred and eighty-two, making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty three, and for other purposes.

Pay of retired officers.

For pay of the retired list, namely: For forty-six rear-admirals, twenty-one commodores, eleven captains, ten commanders, sixteen lieutenant-commanders, nine lieutenants, eleven masters, six ensigns, one midshipman, twenty-two medical directors, two medical inspectors, two surgeons, four passed assistant surgeons, seven assistant surgeons, seven pay-directors, two pay-inspectors, four paymasters, two passed assistant paymasters, one assistant paymaster, ten chief engineers, twenty-one passed assistant engineers, twenty-five assistant engineers, eight chaplains, six professors of mathematics, one chief constructor, three civil engineers, eleven boatswains, nine gunners, eleven carpenters, and nine sailmakers; in all, seven hundred and three thousand one hundred and eighty dollars:

Pay of petty officers and enlisted force.

For pay to petty officers, seamen, ordinary seamen, landsmen, and boys, including men in the engineers' force, and for the Coast Survey Service, not exceeding eight thousand two hundred and fifty in all, two million four hundred and ninety thousand dollars.

Pay, miscellaneous.

For two secretaries, one to the Admiral and one to the Vice-Admiral, clerks to paymasters, clerks at inspections, navy-yards, and stations, and extra pay to men enlisted under honorable discharge; commission and interest, transportation of funds, exchange, mileage to officers while traveling under orders in the United States, and for actual personal expenses of officers while traveling abroad under orders; and for actual and necessary traveling expenses of naval cadets while proceeding from their homes to the Naval Academy for examination and appointment as cadets and for the payment of any such officers as may be in service, either upon the active or retired list, during the year ending June thirtieth, eighteen hundred and eighty-four, in excess of the numbers of each class provided for in this act, and for any increase of pay arising from different duty, as the needs of the service may require, three hundred thousand dollars. And all officers of the Navy shall be credited with the actual time they

may have served as officers or enlisted men in the regular or volunteer Army or Navy, or both, and shall receive all the benefits of such actual service in all respects in the same manner as if all said service had been continuous and in the regular Navy in the lowest grade having graduated pay held by such officer since last entering the service: *Provided*, That nothing in this clause shall be so construed as to authorize any change in the dates of commission or in the relative rank of such officers: *Provided further*, That nothing herein contained shall be so construed as to give any additional pay to any such officer during the time of his service in the volunteer army or navy.

For contingent expenses of the Navy, namely: For rent and furniture of buildings and offices not in navy-yards; expenses of courts-martial and courts of inquiry, boards of investigation, examining boards, with clerks' and witnesses' fees, and traveling expenses and costs; stationery and recording; expenses of purchasing-paymasters' offices at the various cities, including clerks, furniture, fuel, stationery, and incidental expenses; newspapers and advertising; foreign postage; telegraphing, foreign and domestic; telephones; copying; care of library; mail and express wagons, and livery and express fees; costs of suits; commissions, warrants, diplomas, and discharges; relief of vessels in distress, and pilotage; recovery of valuables from shipwrecks; quarantine expenses; care and transportation of the dead; for putting in order and preserving the grave of Paul Hamilton, a former Secretary of the Navy, the expenditure therefor not to exceed one hundred dollars; reports, professional investigation, cost of special instruction, and information abroad, and the collection and classification thereof; and all other emergencies and extraordinary expenses, arising at home or abroad, but impossible to be anticipated or classified, exclusive of personal services in the Navy Department or any of its subordinate bureaus or offices at Washington, District of Columbia, one hundred thousand dollars.

Contingent expenses.

#### BUREAU OF NAVIGATION.

For foreign and local pilotage and towage of ships of war; services and materials in correcting compasses on board ship, and for adjusting and testing compasses on shore; nautical and astronomical instruments, nautical books, maps, charts, and sailing directions, and repairs of nautical instruments for ships of war; books for libraries for ships of war; naval signals and apparatus, namely, signal-lights, lanterns, rockets, running-lights, drawings, and engravings for signal-books; compass-fittings, including binnacles, tripods, and other appendages of ships' compasses; logs and other appliances for measuring the ship's ways, and leads and other appliances for

Navigation and supplies.



sounding; lanterns and lamps, and their appendages, for general use on board ship, including those for the cabin, ward-room, and steerage, for the holds and spirit-room, for decks and quartermasters' use; bunting and other materials for flags, and making and repairing flags of all kinds; oil for ships of war, other than that used for the engineer department; candles when used as a substitute for oil in binnacles and running-lights; for chimneys and wicks; and soap used in navigation department; stationery for commanders and navigators of vessels of war, and for use of courts-martial; musical instruments and music for vessels of war; steering-signals and indicators, and for speaking-tubes and gongs for signal communication on board vessels of war; and for introducing electric lights on board vessels of war, not exceeding five thousand dollars; in all, one hundred thousand dollars.

Ocean surveys. For special ocean surveys and the publication thereof, ten thousand dollars.

Contingent. For contingent expenses of the Bureau of Navigation, namely: For freight and transportation of navigation materials; postage and telegraphing on public business; advertising for proposals; packing-boxes and materials; and all other contingent expenses, four thousand dollars.

Civil establishment. For the civil establishment at navy-yards and stations, five thousand dollars.

#### BUREAU OF ORDNANCE.

Ordnance and ordnance stores. For procuring, producing, and preserving ordnance material; for the armament of ships, and for fuel, tools, materials and labor to be used in the general work of the Ordnance Department for these purposes, one hundred and fifty thousand dollars. And any balance of the appropriation made for commencing the manufacture of steel rifled breech-loading guns, with carriages and ammunition, that may be unexpended during the fiscal year eighteen hundred and eighty-three, is hereby re-appropriated and made available for continuing that service during the fiscal year ending June thirtieth, eighteen hundred and eighty-four.

Repairs, Bureau of Ordnance. For necessary repairs to ordnance buildings, magazines, gun parks, boats, lighters, wharves, machinery, and other objects of the like character, including breakwaters at the magazine, Ellis Island, New York, and the erection of a shell-filling house at the Bellevue magazine, Washington, fifteen thousand dollars.

Special board for locating Government foundry. That the President of the United States is hereby authorized and requested to select from the Army and Navy six officers, who shall constitute a board for the purpose of examining and reporting to Congress which of the navy-yards or arsenals, owned by the government has the best location and is best adapted for the establishment of a government foundry, or what other method,

if any, should be adopted for the manufacture of heavy ordnance adapted to modern warfare, for the use of the Army and Navy of the United States, the cost of all buildings, tools, and implements necessary to be used in the manufacture thereof, including the cost of a steam-hammer or apparatus of sufficient size for the manufacture of the heaviest guns; and that the President is further requested to report to Congress the finding of said board at as early a date as possible: *Provided*, That no extra compensation shall be paid the officers serving on the board hereby created.

For miscellaneous items, namely: For freight to foreign and home stations, advertising and auctioneers' fees, cartage and express charges, repairs to fire-engines, gas and water pipes, gas and water tax at magazines, toll, ferriage, foreign postage, and telegrams, three thousand dollars.

Contingent.

For the civil establishment at navy-yards and stations, five thousand dollars.

Civil establishment.

For the torpedo corps, namely: For labor, material, and freight and express charges; general repairs to grounds, buildings, and wharves; boats' instruction, instruments, tools, experiments, and general torpedo outfits, fifty thousand dollars.

Torpedo corps.

For the purchase and manufacture, after full investigation and test in the United States under the direction of the Secretary of the Navy, of torpedoes adapted to naval warfare, or of the right to manufacture the same and for the fixtures and machinery necessary for operating the same, one hundred thousand dollars: *Provided*, That no part of said money shall be expended for the purchase or manufacture of any torpedo or of the right to manufacture the same until the same shall have been approved by the Secretary of the Navy, after a favorable report to be made to him by a board of naval officers to be created by him to examine and test said torpedoes and inventions.

Torpedoes.

## BUREAU OF EQUIPMENT AND RECRUITING.

For equipment of vessels: For coal for steamers' and ships' use, including expenses of transportation, storage, and handling; hemp, wire, hides, and other materials for the manufacture of rope and cordage; iron for manufacture of cables, anchors, galleys, and chains; canvas for the manufacture of sails, awnings, bags, and hammocks; heating apparatus for receiving-ships; and for the purchase of all other articles of equipment at home and abroad, and for the payment of labor in equipping vessels and manufacture of equipment articles in the several navy-yards, eight hundred thousand dollars; and the Secretary of the Navy is authorized and empowered, within his discretion, to constitute and introduce, as a

Equipment of vessels.

portion of the equipment of the Navy, the life saving dress adopted and approved by the Life Saving Service of the United States.

Transporta-  
tion and re-  
cruiting.

For expenses of recruiting: For expenses of recruiting, rent of rendezvous, and expenses of maintaining the same, advertising for men and boys, and all other expenses attending the recruiting for the naval service, and for the transportation of enlisted men and boys, at home and abroad, twenty-five thousand dollars.

Contingent.

For contingent expenses equipment and recruiting: For extra expenses of training-ships, freight and transportation of equipment stores, printing, advertising, telegraphing, books and models, postage, car-tickets, ferriage, ice, apprehension of deserters and stragglers, assistance to vessels in distress, continuous-service certificates and good-conduct badges for enlisted men, school books for training-ships, extra medals for boys, and emergencies arising under cognizance of Bureau of Equipment and Recruiting unforeseen and impossible to classify, ten thousand dollars.

Civil estab-  
lishment.

For the civil establishment at navy-yards and stations, nine thousand dollars.

#### BUREAU OF YARDS AND DOCKS.

Maintenance.

For general maintenance of yards and docks, namely: For freight and transportation of materials and stores, books, models, maps, and drawings; purchase and repair of fire-engines; machinery, repairs on steam fire engines, and attendance on the same; purchase and maintenance of oxen and horses, and driving teams, carts, and timber-wheels, and all vehicles for use in the navy-yards, and tools and repairs of the same; dredging; postage on letters and other mailable matter on public service and telegrams; furniture for government houses and offices in the navy-yards; coal and other fuel; candles, oil, and gas; cleaning and clearing up yards, and care of public buildings; attendance on fires; lights; fire engines and apparatus; for clerical and incidental labor at navy-yards; water-tax, and for toll and ferriages; rent of officers' quarters at League Island; pay of the watchmen in the navy-yards; and for awning and packing-boxes and advertising, two hundred and sixty-four thousand dollars, of which sum sixty-four thousand dollars shall be immediately available.

Contingent.

For contingent expenses that may arise at navy-yards and stations, twenty thousand dollars.

Civil estab-  
lishment.

For the civil establishment at navy-yards and stations, twenty-four thousand dollars.



BUREAU OF MEDICINE AND SURGERY.

For support of the medical department: For surgeons' necessities for vessels in commission, navy-yards, naval stations, Marine Corps, and Coast Survey, forty thousand dollars.

Medical Department.

For the naval-hospital fund, namely: For maintenance of the naval hospitals at the various navy-yards and stations, thirty thousand dollars. And if the Secretary of the Navy shall not be able to maintain properly the whole number of naval hospitals now kept open on the amounts hereby appropriated for the maintenance of and civil establishment at naval hospitals, he shall close those which are least necessary to the service, and provide for the patients now cared for therein at such other naval hospitals as may be most convenient.

Naval hospital fund.

For contingent expenses of the bureau: For freight on medical stores; transportation of insane patients to the government hospital; advertising; telegraphing; purchase of books; expenses attending the medical board of examiners; rent of rooms for naval dispensary, hygienic and sanitary investigation and illustration; purchase and repair of wagons and harness; purchase and feed of horses and cows; trees, garden tools, and seeds, twenty-five thousand dollars.

Contingent.

For necessary repairs of naval laboratory, naval hospitals, and appendages, including roads, wharves, out-houses, sidewalks, fences, gardens, farms, and cemeteries, fifteen thousand dollars.

Repairs.

For the maintenance of the civil establishment at the several naval hospitals, navy-yards, naval laboratory, and Naval Academy, twenty thousand dollars.

Civil establishment.

BUREAU OF PROVISIONS AND CLOTHING.

For provisions for the seamen and marines; commuted rations for officers, seamen, and marines; expenses of the handling and transportation of provisions; of inspections and storehouses; purchase of water for ships for cooking and drinking purposes, and for provisions and commutation of rations for seven hundred and fifty boys, one million one hundred thousand dollars.

Provisions, Navy.

For contingent expenses: For freight on shipments (except provisions), candles, fuel; books and blanks; stationery; advertising and commissions on sales; furniture for inspection and pay-offices in navy-yards; foreign postage, telegrams, and express charges; toll, ferriages, and car-tickets; yeomans stores, iron safes, ice, newspapers, and incidental expenses absolutely necessary, forty thousand dollars.

Contingent.

For civil establishment, six thousand dollars.

Civil establishment.

## BUREAU OF CONSTRUCTION AND REPAIR.

For preservation and completion of vessels on the stocks and in ordinary; purchase of materials and stores of all kinds; labor in navy-yards and on foreign stations; preservation of materials; purchase of tools; wear, tear, and repair of vessels afloat, and for general care, increase, and protection of the Navy in the line of construction and repair, and incidental expenses, namely, advertising and foreign postage, one million one hundred thousand dollars: *Provided*, That no part of this sum shall be applied to the repairs of any wooden ship when the estimated cost of such repairs, to be appraised by a competent board of naval officers, shall exceed twenty per centum of the estimated cost, appraised in like manner, of a new ship of the same size and like material: *Provided further*, That nothing herein contained shall deprive the Secretary of the Navy of the authority to order repairs of ships damaged in foreign waters or on the high seas, so far as may be necessary to bring them home.

Construction and repair of vessels.      For the civil establishment, twenty thousand dollars.

Wooden vessels, repairs to, limited.

Civil establishment.

## BUREAU OF STEAM ENGINEERING.

For repairs, completion, and preservation of machinery and boilers, including steam steerers, steam capstans, steam windlasses, and so forth, in vessels on the stocks and in ordinary; purchase and preservation of all materials and stores; purchase, fitting, and repair of machinery and tools in the navy-yards and stations; wear, tear, and repair of machinery and boilers of naval vessels; incidental expenses, such as foreign postages, telegrams, advertising, freight, photographing, books, stationery, and instruments, one million dollars: *Provided*, That no part of said sum shall be applied to the repair of engines and machinery of wooden ships where the estimated costs of such repair shall exceed twenty per centum of the estimated cost of new engines and machinery of the same character and power, but nothing herein contained shall prevent the repair or building of boilers for wooden ships, the hulls of which can be fully repaired for twenty per centum of the estimated cost of a new ship of the same size and material.

Steam machinery.      For contingencies, such as instruments and materials for draughting-room, one thousand dollars.

Contingent.      For the civil establishment, ten thousand dollars.

Civil establishment.

## INCREASE OF THE NAVY.

To be applied by the Secretary of the Navy under the appropriate bureaus: For engines and machinery for the double-turreted iron-clads, in accordance with the recommendations of the Naval Advisory Board, one million dollars.

Machinery for double-turreted iron-clads.



The execution of no contract shall be entered upon for the completion of the engines and machinery of either of these vessels until the terms thereof shall be approved by said Board, who shall approve only contracts which may be to the best advantages of the government, and fair and reasonable, according to the lowest market price for similar work. And the Secretary of the Navy shall take possession of the double-turreted iron-clads, and if he thinks best, remove the same to the government navy-yards; and he shall ascertain the amounts which ought to be paid to the contractors severally for the use and occupation of their yards with said ships, and for the care thereof, and report the same, with all the facts connected therewith, to Congress.

Approval by board.

For the construction of the steel cruiser of not less than four thousand three hundred tons displacement now specially authorized by law, two steel cruisers of not more than three thousand nor less than two thousand five hundred tons displacement each, and one dispatch boat, as recommended by the Naval Advisory Board in its report of December twentieth, eighteen hundred and eighty-two, one million three hundred thousand dollars; and for the construction of all which vessels, except their armament, the Secretary of the Navy shall invite proposals from all American ship-builders whose ship-yards are fully equipped for building or repairing iron and steel steamships, and constructors of marine engines, machinery, and boilers; and the Secretary of the Navy is authorized to construct said vessels and procure their armament at a total cost for each not exceeding the amounts estimated by the Naval Advisory Board in said report, and in the event that such vessels or any of them shall be built by contract, such building shall be under contracts with the lowest and best responsible bidder or bidders, made after at least sixty days' advertisement, published in five of the leading newspapers of the United States, inviting proposals for constructing said vessels, subject to all such rules, regulations, superintendence, and provisions as to bonds and security for the due completion of the work as the Secretary of the Navy shall prescribe; and no such vessel shall be accepted unless completed in strict conformity with the contract, with the advice and assistance of the Naval Advisory Board, and in all respects in accordance with the provisions of the act of August fifth, eighteen hundred and eighty-two, except as they are hereby modified; and the authority to construct the same shall take effect at once; and the Secretary of the Navy may, in addition to the appropriation hereby made, apply to the constructing and finishing of the vessels in this clause referred to any balance of the appropriation made to the Bureaus of Construction and Repair and Steam-Engineering for the current fiscal year or in the present act which may remain available for

Steel cruisers and dispatch boat (Chicago, Boston, Atlanta and Dolphin).

Proposals.

Armament.

Navy yards, utilization of. that purpose: *Provided*, That he shall utilize the national navy-yards, with the machinery, tools, and appliances belonging to the government there in use in the building of said ships, or any parts thereof, as fully and to as great an extent as the same can be done with advantage to the government.

Civilian experts on Naval Advisory Board. The services and expenses of the two civilian expert members of the Naval Advisory Board may be paid from the appropriations for the increase of the Navy, not exceeding eleven thousand dollars.

Testing defective turrets. For investigating and testing the practicability of defective turrets designed by Passed Assistant Engineer N. B. Clark, twenty thousand dollars, to be available immediately, the investigation and test to be made by the Naval Advisory Board.

#### NAVAL ACADEMY.

Pay of professors and others. For pay of professors and others: For two professors, namely, one of mathematics and one of chemistry, at two thousand five hundred dollars each; three professors (assistants), namely, one of physics, one of Spanish, and one of English studies, history, and law, at two thousand two hundred dollars each; six assistant professors, namely, four of French, one of English studies, history, and laws, and one of drawing, at one thousand eight hundred dollars each; sword-master, at one thousand five hundred dollars, and two assistants, at one thousand dollars each; boxing-master and gymnast, at one thousand two hundred dollars; assistant librarian, at one thousand four hundred dollars; secretary of the Naval Academy, one thousand eight hundred dollars; three clerks to Superintendent, at one thousand two hundred dollars, one thousand dollars, and eight hundred dollars, respectively; one clerk to commandant of cadets, one thousand two hundred dollars; one clerk to paymaster, one thousand dollars; one dentist, one thousand six hundred dollars; one baker, six hundred dollars; one mechanic in department of physics and chemistry, seven hundred and thirty dollars; one cook, three hundred and twenty-five dollars and fifty cents; one messenger to Superintendent, six hundred dollars; one armorer, five hundred and twenty-nine dollars and fifty cents; one gunner's mate, four hundred and sixty-nine dollars and fifty cents, and one quarter-gunner, four hundred and nine dollars and fifty cents; one cockswain, four hundred and sixty-nine dollars and fifty cents; one seaman in the department of seamanship, at three hundred and forty-nine dollars and fifty cents; six attendants at recitation rooms, library, store, chapel, and offices, at two hundred and forty dollars each; one band master, five hundred and twenty-eight dollars; twenty-one first-class musicians, at three hundred and forty-eight dollars each; seven second class musicians at

three hundred dollars each; one attendant in the department of astronomy and one in the department of physics and chemistry, at three hundred dollars each; in all, fifty-three thousand five hundred and fifty-nine dollars.

For pay of watchman and others: For captain of the watch and weigher, at two dollars and fifty cents per day; four watchmen, at two dollars per day each; foreman of the gas and steam heating works of Academy, at five dollars per day; ten attendants at gas and steam heating works, one at three dollars, one at two dollars and fifty cents, and eight at two dollars per day each; one steam-pipe fitter, six hundred dollars; one foreman of joiners, one foreman of painters, and one foreman of masons, at three dollars and fifty cents per day each; one mason, at three dollars per day; two joiners and one painter, at two dollars and fifty cents per day each; one tinner, one gas-fitter, and one blacksmith, at two dollars and fifty cents per day each; in all, twenty-three thousand and sixty-two dollars and fifty cents.

For pay of mechanics and others: For one mechanic at workshop, at two dollars and twenty-five cents per diem; one master-laborer, to keep public grounds in order, at two dollars and twenty-eight cents per diem; fourteen laborers, to assist in same, three at two dollars per diem each and eleven at one dollar and fifty cents per diem each; one laborer, to superintend quarters of cadet-midshipmen and public grounds, at two dollars per diem; twenty servants, to keep in order and attend to quarters of cadet-midshipmen and public buildings, at twenty dollars per month each; in all, fourteen thousand five hundred and ninety dollars and twenty-three cents.

For pay of the employees in the department of steam-engineering, Naval Academy: One master-machinist, one boiler-maker, and one pattern-maker, at three dollars and fifty cents per day each; two machinists and one blacksmith, at two dollars and fifty cents per day each; four laborers, at one dollar and fifty cents per day each; in all, seven thousand six hundred and seventy-one dollars.

For necessary repairs of public buildings, pavements, wharves, and walls inclosing the grounds of the Naval Academy, and for improvements, repairs, and furniture and fixtures, twenty-one thousand dollars: *Provided*, That no appropriations provided for in this act shall be construed to authorize or be applied to a new building for the use of the Superintendent or other officers of the Academy.

For fuel, and for heating and lighting the Academy and schoolships, seventeen thousand dollars.

For contingent expenses, Naval Academy: For purchase of books for the library, two thousand dollars.

For stationery, blank-books, models, maps, and for text-books for use of instructors, two thousand dollars.

Repairs, Naval Academy.

Heating and lighting.

Contingent.



For expenses of the Board of Visitors to the Naval Academy, one thousand five hundred dollars.

For purchase of chemicals, apparatus, and instruments in the department of physics and chemistry, and for repairs of the same, two thousand five hundred dollars.

For purchase of gas and steam machinery; steam-pipe and fittings; rent of building for the use of the Academy; freight; cartage; water; music; musical and astronomical instruments; uniforms for the bandmen; telegraphing; for feed and maintenance of teams; for current expenses and repairs of all kinds; and for incidental labor and expenses not applicable to any other appropriation, thirty-four thousand six hundred dollars.

For stores in the department of steam-enginery, eight hundred dollars.

For materials for repairs in steam-machinery, one thousand dollars.

#### MARINE CORPS.

Pay, Marine Corps—  
Officers a c-  
tive list.

For pay of officers on the active-list, as follows: For one colonel commandant, one colonel, two lieutenant-colonels, one adjutant and inspector, one quartermaster, one paymaster, four majors, two assistant quartermasters, one judge advocate-general, United States Navy, nineteen captains, thirty first lieutenants, and twenty-two second lieutenants, one hundred and seventy-four thousand and forty dollars.

Officers re-  
tired list.

For pay of officers on the retired-list: For one colonel, three majors, two assistant quartermasters, two captains, two first lieutenants, and three second lieutenants, twenty-five thousand eight hundred and fifty-eight dollars.

Pay of non-  
commissioned  
officers and en-  
listed force.

For pay of non-commissioned officers, musicians, and privates: For one sergeant-major, one quartermaster-sergeant, one leader of the band, and one drum-major, fifty first sergeants, one hundred and forty sergeants, one hundred and eighty corporals, thirty musicians, ninety-six drummers and fifers, and one thousand five hundred privates, three hundred and eighty-nine thousand and fifty-two dollars.

Miscellaneous  
items.

For ten clerks and two messengers, sixteen thousand and thirty-five dollars; payments to discharged soldiers for clothing undrawn, twenty thousand dollars; transportation of officers traveling under orders without troops, eight thousand dollars; commutation of quarters for officers where there are no public buildings, ten thousand dollars; in all, fifty-four thousand and thirty-five dollars.

Provisions,  
clothing, fuel.

For provisions for the Marine Corps, and for difference between cost of rations and commutation thereof for detailed men, sixty thousand dollars.

For clothing, seventy-seven thousand dollars.

For fuel, eighteen thousand dollars.

For military stores, namely: For pay of one chief armorer, at three dollars per day; three mechanics, at two dollars and fifty cents per day each; purchase of military equipments, such as cartridge-boxes, bayonet-scabbards, haversacks, blanket-bags, canteens, musket-slings, swords, flags, knapsacks, drums, fifes, bugles, and other instruments, five thousand dollars; purchase of ammunition, one thousand dollars; purchase and repair of instruments for the band, and purchase of music, five hundred dollars; in all, nine thousand seven hundred and eighty-six dollars and fifty cents.

Military stores.

For transportation of troops and for expenses of recruiting, ten thousand dollars.

Transportation and recruiting.

For repairs of barracks, and rent of buildings to be used for the manufacture of clothing, stores for supplies, and offices of assistant quartermaster at Philadelphia, and for hire of quarters where there are no public buildings, ten thousand dollars.

Repair of barracks.

For forage for four public horses, one for messenger to commandant and staff, Washington, District of Columbia, and three for general use at marine barracks, Mare Island, California, and League Island Pennsylvania, seven hundred and twenty dollars.

Forage.

For the purchase of forage, four thousand six hundred and eighty dollars: *Provided*, That no commutation for forage shall be paid.

For contingencies, namely: For freight; ferriage; toll; cartage; funeral expenses of marines; stationery; telegraphing; rent of telephone; apprehension of deserters: per diem to enlisted men employed on constant labor, for periods not less than ten days; repair of gas and water fixtures; office and barrack furniture; mess utensils for enlisted men; packing-boxes; wrapping-paper; oil-cloth; crash; rope; twine; carpenter's tools; tools for police purposes; purchase and repair of hose; repairs to public carryall; purchase and repair of harness; repair of fire extinguishers; purchase and repair of handcarts and wheelbarrows; purchase and repair of cooking-stoves, and ranges, stoves where there are no grates; purchase of ice; towels and soap for offices; improving parade-grounds; repair of pumps and walks; laying drain and water pipes; introducing gas; and for other purposes, including gas and oil for marine barracks maintained at the various navy-yards and stations; and water at marine barracks, Boston, Massachusetts, Brooklyn, New York, Annapolis, Maryland, and Mare Island, California; also straw for bedding for enlisted men at the various posts, and furniture for government houses; in all, twenty-five thousand dollars.

Contingent.

At the Naval Asylum, Philadelphia, Pennsylvania: For superintendent, six hundred dollars; steward, four hundred and eighty dollars; matron, three hundred and sixty dollars; cook, two hundred and forty dollars; two

Naval Asylum, Philadelphia.

assistant cooks, one hundred and sixty-eight dollars each; chief laundress, one hundred and ninety-two dollars; six laundresses, at one hundred and sixty-eight dollars each; nine scrubbers and waiters, at one hundred and sixty-eight dollars each; six laborers, at two hundred and forty dollars each; stable keeper and driver, three hundred and sixty dollars; master-at-arms, four hundred and eighty dollars; corporal, three hundred dollars; barber, three hundred and sixty dollars; carpenter, eight hundred and forty-five dollars; water rent and gas, two thousand dollars; ice, two hundred dollars; car tickets, two hundred and fifty dollars; cemetery and burial expenses, and headstones, three hundred and fifty dollars; improvement of grounds, five hundred dollars; repairs to buildings and preservation of all kinds, painting, and for grates, furnaces, ranges, furniture, and repairs of furniture, four thousand five hundred dollars; and for support of beneficiaries, forty-three thousand five hundred dollars; in all, fifty-nine thousand eight hundred and thirteen dollars, which sum shall be paid out of the income from the naval pension fund.

Officers, employment of, on shore duty.

Required by the public interests.

SEC. 2. That hereafter no officer of the Navy shall be employed on any shore duty, except in cases specially provided by law, unless the Secretary of the Navy shall determine that the employment of an officer on such duty is required by the public interests, and he shall so state in the order of employment, and also the duration of such service, beyond which time it shall not continue.

Approved, March 3, 1883.



FORTY-EIGHTH CONGRESS, FIRST SESSION—JULY 7, 1884.

[PUBLIC—No. 113.]

AN ACT Making temporary provision for the naval service.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,*

That for the purpose of providing for the expenses of the naval service for the six months ending December thirty first, eighteen hundred and eighty four, there is hereby appropriated out of any money in the Treasury not otherwise appropriated one half or fifty per centum of the sums of money (and for the like purposes and continuing the same provisions relating thereto) as were appropriated for the service of the fiscal year ending June thirtieth, eighteen hundred and eighty four, by the act entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth eighteen hundred and eighty-four and for other purposes" approved March third eighteen hundred and eighty three (except as hereinafter declared), subject to all the limitations and conditions in respect to the disbursement of the appropriations hereby made that were imposed by said act and the other laws of the United States upon or in respect to the appropriations made by said act: *Provided*, That nothing is appropriated by this act "for special ocean surveys and the publication thereof" or "for the purchase and manufacture after full investigation and test in the United States under the direction of the Secretary of the Navy of torpedoes adapted to naval warfare or of the right to manufacture the same and for the fixtures and machinery necessary for operating the same"; That the clause under the heading "Bureau of Yards and Docks" commencing "For general maintenance of yards and docks" is amended so as to appropriate for the six months herein provided for the sum of one hundred and ten thousand dollars;

Expenses of  
naval service  
for six months  
ending Dec. 31,  
1884.

That under the heading "Increase of the Navy" in said act, in lieu of all the paragraphs thereunder and preceding the heading of "Naval Academy" there is hereby substituted the following:

For continuing work upon the three new steel cruisers and one dispatch boat authorized by act of Congress approved March third eighteen hundred and eighty-three as follows: Chicago three hundred and forty nine thousand one hundred and thirty three dollars and forty five cents; Boston, two hundred and thirty one thousand eight hundred and fifty three dollars and twenty eight cents;

Continuing  
work on three  
new steel  
cruisers.

Atlanta two hundred and thirty one thousand eight hundred and fifty three dollars and twenty seven cents; Dolphin one hundred and eight thousand six hundred and sixty dollars, in all nine hundred and twenty one thousand five hundred dollars; the four pivot-guns of the Chicago to be mounted on Clark's deflective single-gun turrets or V shields, of the same weight as is now allowed for the mounting and armor protection of the guns: *Provided*, That it shall not change the contract entered into by the Government for the construction of said vessels.

"For completion of steam-machinery and boilers, with necessary fittings for sea-service, of steel cruisers and dispatch boat, under contract with John Roach, as per act approved March third, eighteen hundred and eighty-three: United States steel cruiser Chicago, two hundred and twenty thousand dollars; United States steel cruiser Boston, one hundred and fifty five thousand dollars; United States steel cruiser Atlanta, one hundred and fifty five thousand dollars; United States dispatch-boat Dolphin, ninety thousand dollars; in all, six hundred and twenty thousand dollars.

"For completing equipment outfits of three new cruisers and one dispatch-boat, now in course of construction, seventy eight thousand six hundred dollars."

"For navigation outfit of the four new steel cruisers, thirty thousand dollars."

"For ordnance outfit of the three new steel cruisers and one dispatch boat, five hundred thousand dollars."

Work on four  
monitors pro-  
hibited.

Nothing herein contained shall be construed as appropriating money for or authorizing the continuation of work upon the double-turreted-monitors, Monadnock, Terror, Amphitrite, and Puritan, and any unexpended balance now remaining of the appropriation contained in said act approved March third, eighteen hundred and eighty three, for engines and machinery for the said double turreted monitors shall be covered into the Treasury, except such part thereof as may be required under existing contracts made for the engines and machinery of the three last named monitors.

Approved, July 7, 1884.



FORTY-EIGHTH CONGRESS, SECOND SESSION—JANUARY 30, 1885.

[PUBLIC—No. 19.]

AN ACT making additional appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-five, and for other purposes.

[Only so much of this act is quoted as is new. Provision is made for the Naval Establishment and, under "Pay of the Navy," is added an item, "\* \* \* for traveling expenses of apothecaries, yeomen, and civilian employees, \* \* \*."

All the items under contingent expenses of the Navy for fiscal year 1884 have been transferred and included intact in the appropriation "Pay, miscellaneous," 1885, except:

"For all emergencies and extraordinary expenses arising at home or abroad, but impossible to be anticipated or classified, exclusive of personal services in the Navy Department or any of its subordinate bureaus or offices at Washington. District of Columbia, seven thousand five hundred dollars."]

BUREAU OF NAVIGATION.

Provision is made "for erection of compass-testing house." Compass-testing house.

BUREAU OF ORDNANCE.

Provision is made, under ordnance and ordnance stores, "\* \* \* for furniture at magazines, at the ordnance dock, New York, and at the naval experimental battery, \* \* \*." Furniture.

BUREAU OF PROVISIONS AND CLOTHING.

It is "\* \* \* provided that all enlisted men and boys in the Navy, attached to any United States vessel or station and doing duty thereon, and naval cadets, shall be allowed a ration, or commutation thereof in money, under such limitations and regulations as the Secretary of the Navy may prescribe." Ration or commutation allowed.

BUREAU OF CONSTRUCTION AND REPAIR.

Provision is made for "\* \* \* telegrams, photographing, books, plans, stationery, and instruments for drawing-room, \* \* \*."

BUREAU OF STEAM ENGINEERING.

Provision appropriating "\* \* \* the unexpended balance of the appropriation of one million dollars made by the act approved March third, eighteen hundred and

eighty-three, for engines and machinery for the double-turreted iron-clads be, and the same is hereby, reappropriated and made available during the last half of the year ending June thirtieth, eighteen hundred and eighty-five, \* \* \* \* \*

#### INCREASE OF THE NAVY.

Mohican.

Provision "for completing the Mohican at the Mare Island Navy Yard, fifty thousand dollars.

"For care and safe-keeping of the iron-clad monitors now in the hands of the contractors, when they shall have been turned over to the Government by said contractors, five thousand dollars."

\* \* \* \* \*

#### MARINE CORPS.

Limiting  
number of offi-  
cers of Marine  
Corps.

A provision "\* \* \* From and after the passage of this act there shall be no appointments, except by promotion, to fill vacancies occurring in the list of commissioned officers of the Marine Corps until the number of such officers shall have been reduced, by casualties or otherwise, below seventy-five as fixed by the act approved June thirtieth, eighteen hundred and seventy-six; and after the number of officers shall be reduced as above provided, the whole number of commissioned officers on the active list in the Marine Corps shall not exceed seventy-five."

\* \* \* \* \*

A provision "\* \* \* That all appropriations made by the act of July seventh, eighteen hundred and eighty-four, making temporary provisions for the naval service for the six months ending December thirty-first, eighteen hundred and eighty-four, or any balances thereof that may be unexpended at that date, be, and they are hereby, reappropriated, continued, and made available for the remainder of the fiscal year ending June thirtieth, eighteen hundred and eighty-five.

Secretary of  
the Navy to re-  
port to Con-  
gress; civilian  
employees.

"\* \* \* That the Secretary of the Navy is hereby directed to report to Congress, at its next and each regular session thereafter, the amount expended during the prior fiscal year, from the appropriations for the pay of the Navy, Bureaus of Navigation, Ordnance, Equipment and Recruiting, Yards and Docks, Medicine and Surgery, Provisions and Clothing, Construction and Repair, and Steam-Engineering, for civilians employed on clerical duty, or in any other capacity than as ordinary mechanics and workingmen, and to submit, under the estimates for pay of the Navy and for the respective Bureaus enumerated above, specific estimates for such civilian employees for the fiscal year eighteen hundred and eighty-seven, and each fiscal year thereafter."

Approved, January 30, 1885.

FORTY-EIGHTH CONGRESS, SECOND SESSION—MARCH 3, 1885.

[PUBLIC—No. 90.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-six, and for other purposes.

["Pay of the Navy" contains practically the same items as the act for the previous year, but after the paragraph "For pay to petty officers, seamen, ordinary seamen, landsmen, and boys, including men in the engineer's force and for the Coast Survey service, not exceeding eight thousand two hundred and fifty in all, two million four hundred and ninety thousand dollars," there is a division headed "Miscellaneous," which contains the remainder of the items formerly under "Pay of the Navy," beginning "For two secretaries, one to the Admiral and one to the Vice-Admiral, clerks to paymasters, clerks at inspections, navy-yards, and stations, and extra pay to men enlisted under honorable discharge;" and continuing with practically the same language as in previous act to the end of the paragraph.]

BUREAU OF ORDNANCE.

Wording is slightly changed. Practically the same items appropriated for as heretofore with some additions and, in altered form, as follows:

"For preserving and handling ordnance and ordnance material of the kinds now in service, for the armament of ships therewith, for the purchase or manufacture of ammunition therefor, for materials and labor to be used in the general work of the Ordnance Bureau for these purposes; for furniture at magazines, at the ordnance dock, New York, and at the naval ordnance proving-ground, \* \* \*."

A provision "for the purchase or manufacture of steel <sup>Steel guns of small caliber.</sup> guns of small caliber for ships now in service, and for testing the same at the naval ordnance proving ground, \* \* \*."

"For the completion and public test of two breech-loading rifle cannon of the larger calibers now in course of construction for the Navy, with carriages and ammunition for both, \* \* \* <sup>Two breech-loading rifled cannon.</sup>"

"For completing a six-inch wire-wound gun, \* \* \* <sup>One six-inch wire-wound gun.</sup>"

"For testing American armor made of American material, \* \* \* <sup>American armor.</sup>"

BUREAU OF MEDICINE AND SURGERY.

\* \* \* \* \*

A provision "for contingent expenses of the bureau: <sup>Contingent expenses.</sup> For \* \* \* expressage on medical stores; toll, fer-



Naval laboratory.

riages; \* \* \* rent of telephones; \* \* \* postage and purchase of stamps for foreign service; \* \* \* rent of rooms for \* \* \* museum of hygiene; \* \* \* plants; \* \* \* furniture and incidental articles for museum of hygiene, naval dispensary, Washington, naval laboratory, sick-quarters at Naval Academy, and dispensaries at navy-yards; washing for medical department at museum of hygiene, naval dispensary, Washington, naval laboratory, sick-quarters at Naval Academy, dispensaries at navy-yards, and for receiving-ships and rendezvous, twenty-five thousand dollars."

\* \* \* \* \*

#### BUREAU OF PROVISIONS AND CLOTHING.

Provisions, Navy.

"For provisions for the seamen and marines; commuted rations for \* \* \*, naval cadets, \* \* \*."

A provision for expenses of naval clothing factory.

#### NAVAL ACADEMY.

Practically the same expenditures as in previous acts, provided for with slight changes.

#### INCREASE OF THE NAVY.

Under "Increase of the Navy" it is provided: "To enable the President to strengthen the naval establishment of the United States by additional vessels of the best and most modern design, having the highest attainable speed, the sum of one million eight hundred and ninety-five thousand dollars is hereby appropriated, to be expended as follows and under the following limitations:

Two additional cruisers.

"For the construction of two cruisers of not less than three thousand nor more than five thousand tons displacement, costing, exclusive of armament, not more than one million one hundred thousand dollars each; one heavily armed gunboat of about sixteen hundred tons displacement, costing, exclusive of armament, not more than five hundred and twenty thousand dollars; and one light gunboat of about eight hundred tons displacement, costing, exclusive of armament, not more than two hundred and seventy five thousand dollars; and authority is hereby given for the construction of said four vessels, at not exceeding the total cost for each above specified, in accordance with such final plan as may be determined upon, after a revision and reconsideration of all designs which have been heretofore made, and in the manner and conformity to the conditions and limitations provided for the construction of the new cruisers in the acts of August fifth, eighteen hundred and eighty-two, and of March third, eighteen hundred and eighty-three, except so far as said acts provide for and define the duties of Naval Advisory Board.

Two additional gunboats.

"SEC. 2. That the President be, and he is hereby, authorized to return the Arctic steamer Alert to Her Maj-

esty's Government, with the thanks of the Government of the United States for the generous and graceful act of courtesy in so promptly tendering the gift of that vessel, and for the valuable service thereby rendered to the cause of science and humanity.

"SEC. 3. That the Secretary of the Navy be, and he is hereby, directed to transfer to the Treasury Department, for use as a revenue-cutter in the waters of Alaska, the steamer Bear, of the late Greely relief expedition, and is hereby authorized to place the steamer Thetis for use in the Navy, as a surveying vessel or otherwise."

Bear.  
Thetis.

Approved, March 3, 1885.



# FORTY-NINTH CONGRESS, FIRST SESSION—JULY 26, 1886.

[PUBLIC—No. 139.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-seven, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

## PAY OF THE NAVY.

Provision: "For the pay of officers on sea-duty; officers on shore and other duty; officers on waiting orders; officers on the retired-list; Admiral's and Vice-Admiral's secretaries; clerks to commandants of yards and stations; clerks to paymasters at yards and stations; inspections; receiving-ships and other vessels; extra pay to men re-enlisting under honorable discharge; pay of petty officers, seamen, landsmen, and boys, including men in the engineers' force, and for the Coast Survey service and Fish Commission, seven thousand five hundred men and seven hundred and fifty boys at the pay prescribed by law; \* \* \*."

Officers' duty differentiated.

## PAY, MISCELLANEOUS.

"\* \* \* ferriage, tolls, \* \* \*; canal tolls \* \* \*; cost of special instruction at home or abroad, including maintenance of students, \* \* \* and other necessary incidental expenses, \* \* \*."

Canal tolls, tuition, etc.

Provision: "For the compensation of the two civilian members of the Naval Advisory Board for the time they may serve after June thirtieth, eighteen hundred and eighty-six, at the rate of two thousand five hundred dollars each for six months, and of two hundred and fifty dollars each for traveling and other expenses for six months, five thousand five hundred dollars: *Provided*, That the sum accepted by them under this act shall be in full of all services rendered after June thirtieth, eighteen hundred and eighty-six."

Civilian experts, Naval Advisory Board, pay of.

\* \* \* \* \*

## BUREAU OF NAVIGATION.

\* \* \* \* \*

Provisions: "For preparing and engraving on copper plates the surveys of the Mexican coast, and for publishing the same, \* \* \*."

Surveys, Mexican coast.

"For completing compass-testing houses, and furniture for same, \* \* \*."

Contingent,  
additions.

"For contingent expenses of the Bureau of Navigation, namely: For \* \* \* furniture, stationery, and fuel for navigation offices at navy-yards, \* \* \*."

Transit of  
Venus Com-  
mission.

"For the completion and other expenses connected with the reduction of the observations of the transit of Venus, in eighteen hundred and seventy-four and eighteen hundred and eighty-two, to be expended under the direction of the Transit of Venus Commission: *Provided*, That said Commission shall deliver all the instruments and other public property in its possession into the custody of the Secretary of the Navy, three thousand dollars.

Civil estab-  
lishment.

"For the civil establishment at navy-yards and stations, including master of tugs, storekeepers, clerks, writers, and all clerical work, \* \* \*; and no other fund appropriated by this act shall be used in payment for such services."

#### BUREAU OF ORDNANCE.

Test of rifled  
cannon.

\* \* \* \* \*

"One or more rifled cannon of each type constructed at the cost of the United States for the Navy shall be publicly subjected to the proper test for endurance, including such rapid firing as a like gun would be subjected to in battle. This test shall be under the direction and to the satisfaction of the Secretary of the Navy, and if such guns do not prove satisfactory, the type they represent shall not be put in use in the naval service.

Civil estab-  
lishment.

\* \* \* \* \*

"For the civil establishment at navy-yards and stations, including writers, clerks, foreman, draughtsmen, assistant draughtsman, and a chemist, twenty-three thousand two hundred and four dollars; and no other fund appropriated by this act shall be used in payment for such services.

Ferry launch.

\* \* \* \* \*

"For new ferry-launch, in place of the one now in use, which shall be sold, and building fuse-room and coalshed, \* \* \*."

Armament,  
steam cruisers.

\* \* \* \* \*

"Chicago, Boston, Atlanta, and Dolphin: To complete the armament of the three steam-cruisers, the Chicago, Boston, and Atlanta, and the dispatch boat Dolphin, \* \* \*."

#### BUREAU OF EQUIPMENT AND RECRUITING.

Civil estab-  
lishment.

"For the civil establishment at navy-yards and stations, including clerks, writers, and superintendent of rope-walk, \* \* \*."



BUREAU OF YARDS AND DOCKS.

“For the civil establishment at navy-yards and stations, consisting of writers, clerks, messengers, telegraph operators, draughtsmen, foreman laborers and foreman masons, quartermen brick and stone masons, and pilots, including the work of bell-ringing and lamp lighting, \* \* \*; and no other fund appropriated by this act shall be used in payment for such service.”

Civil establishment.

\* \* \* \* \*

BUREAU OF PROVISIONS AND CLOTHING.

“For \* \* \* commuted rations stopped on account of sick in hospital and credited to the hospital fund; water for drinking and cooking purposes on board ships; and for labor and expenses of inspections, \* \* \*; and the sum of two hundred and fifty thousand dollars of the amount now standing to the credit of the clothing fund, and the further sum of seventy-five thousand dollars of the amount now standing to the credit of the small stores fund of the Bureau of Provisions and Clothing shall be forthwith covered into the Treasury.

Credits of clothing fund and small stores fund covered into the Treasury.

“For the civil establishment, to include firemen, writers, receivers, assistant receivers, messengers, leading men and pressmen in inspection office, superintendent of coffee and spice mill, box-maker, coffee-roaster, engine-tender, teamster, telephone-operating, cutter, machine-operator, and two laborers, thirty-five thousand dollars; and no other fund appropriated by this act shall be used in payment for such services.”

Civil establishment.

BUREAU OF CONSTRUCTION AND REPAIR.

“\* \* \* *Provided*, That in the discretion of the Secretary of the Navy thirty thousand dollars of the amount hereby appropriated may be used to repair and furnish a suitable vessel, if in his judgment it can be done without injury to the service, said vessel to be used as a nautical school ship at the port of Philadelphia, Pennsylvania, under the authority and provisions of the act of Congress of June twentieth, eighteen hundred and seventy-four; but the United States shall be put to no charge or expense and shall incur no liability in relation to said vessel while the same is in such use: \* \* \*.”

School ship.

“Chicago, Boston, Atlanta, and Dolphin: To complete the construction of the three steel cruisers the Chicago, Boston, and Atlanta, and to pay the amount due on the dispatch-boat Dolphin, authorized by the act approved March third, eighteen hundred and eighty-three, ninety-five thousand eight hundred and sixty-one dollars.”

Completion of three steel cruisers and one dispatch boat.

## BUREAU OF STEAM-ENGINEERING.

\* \* \* \* \*

Civil estab-    " For the civil establishment in the navy-yards, to  
lishment.       include clerks, draughtsmen, assistant draughtsmen, mes-  
sengers, writers, receivers, and weighers, \* \* \*.

"The duties of the several clerks, writers, and other employees at the navy-yards appropriated for in this act shall be designated by the Secretary of the Navy or under his direction."

## NAVAL ACADEMY.

\* \* \* \* \*

S p e c i a l    " For special course of study and training of naval  
course study,    cadets, as authorized by act of Congress approved August  
naval cadets.    fifth, eighteen hundred and eighty-two, five thousand  
dollars."

\* \* \* \* \*

Board of    " For expenses of the Board of Visitors to the Naval  
Visitors.    Academy, \* \* \* , being for mileage and five dollars  
per diem for each member for expenses during actual  
attendance at the Academy."

\* \* \* \* \*

Huron dead.    " For head-stones for the graves of sixty sailors and  
marines buried in the naval cemetery at the Naval Acad-  
emy, Annapolis, Maryland, who lost their lives by being  
wrecked in the United States steamer Huron, five hun-  
dred dollars.

Naval Ob-    " For commencing the erection of the new Naval Ob-  
servatory.    servatory on the site purchased under the act of Congress  
approved February fourth, eighteen hundred and eighty,  
fifty thousand dollars: *Provided*, That the construction  
of no building shall be commenced except an observatory  
proper, with necessary offices for observers and com-  
puters."

\* \* \* \* \*

Balances    " For "All balances of moneys appropriated for the pay  
turned into    of the Navy or pay of the Marine Corps, for any year  
Treasury.    existing after the accounts for said year shall have been  
settled shall be covered into the Treasury."

Approved, July 26, 1886.

FORTY-NINTH CONGRESS, FIRST SESSION—AUGUST 3, 1886.

[PUBLIC—No. 167.]

AN ACT To increase the Naval establishment.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That the President is hereby authorized to have constructed, as hereinafter provided—

First. Two sea-going double-bottomed armored vessels of about six thousand tons displacement, designed for a speed of at least sixteen knots an hour, with engines having all necessary appliances for working under forced draught, and costing, including engines and machinery and excluding armament, not more than two million five hundred thousand dollars each. Said vessels shall have each a complete torpedo outfit and be armed in the most effective manner.

Armored vessels.

Second. One protected double-bottomed cruiser of not less than three thousand five hundred nor more than five thousand tons displacement, designed to have the highest practicable speed and furnished with the best type of modern engines, furnished with necessary appliances for working under forced draught. Said vessel shall cost, including engines and machinery and excluding armament, not exceeding one million five hundred thousand dollars.

Cruiser.

Third. One first class torpedo-boat, costing in the aggregate not more than one hundred thousand dollars.

Torpedo boat.

SEC. 2. That the vessels hereinbefore authorized to be constructed shall be built of steel of domestic manufacture, having a tensile strength of not less than sixty thousand pounds per square inch, and an elongation in eight inches of not less than twenty-five per centum.

SEC. 3. That the President is hereby authorized to direct the completion, as hereinafter provided, of the double-turreted monitors Puritan, Amphitrite, Monadnock, and Terror, at a total cost, exclusive of armament, not to exceed three million one hundred and seventy-eight thousand and forty-six dollars.

Completion of monitors.

SEC. 4. That the armor used in constructing said armored vessels and for completing said monitors shall be of the best obtainable quality and of domestic manufacture, provided contracts for furnishing the same in a reasonable time, at a reasonable price, and of the required quality can be made with responsible parties. Such armor shall be accepted only after passing such tests as shall be prescribed by the Secretary of the Navy and inserted in the contracts.

Armor of domestic manufacture.



Completion  
in navy yard  
of one vessel.

SEC. 5. That the Secretary of the Navy shall cause one or more of the new vessels hereinbefore provided for to be constructed and one or more of the said monitors to be completed in one or more of the navy-yards of the United States; and if he shall be unable to contract with responsible parties to construct or complete, at reasonable prices, all or any of the vessels hereinbefore provided for, he shall cause the same to be constructed or completed in such of the navy-yards of the United States as may be best adapted thereto.

New vessels,  
machinery of,  
domestic manu-  
facture.

SEC. 6. That the engines, boilers, and machinery of all the new vessels provided for by this act shall be of domestic manufacture and procured by contract, unless the Secretary of the Navy shall be unable to obtain the same at fair prices, in which case he may construct the same, or any portion thereof, in the navy-yards of the United States: *Provided*, That the Secretary of the Navy may purchase abroad only such shafting as it may be impossible to obtain in the United States in time for use in the construction of the vessels herein provided for.

SEC. 7. That the Secretary of the Navy shall not contract for the construction or completion of any of said vessels, or of their engines, machinery, or boilers, until drawings and specifications of the same shall have been provided or adopted by him; and after said drawings and specifications shall have been provided, adopted, and approved as aforesaid, and work shall have been commenced on any contract made therefor, such plans and specifications shall not be changed in any respect when the cost of such change in the execution of the work exceeds five hundred dollars, except upon the written order of the Secretary or Acting Secretary of the Navy; and if changes are thus made, the actual cost thereof and the damage caused thereby shall be ascertained, estimated, and determined by a board of naval officers to be provided for in the contract; and in any contract made pursuant to this act it shall be provided in the terms thereof that the contractor shall be bound by the determination of said board, or a majority thereof, as to the amount of increase or diminished compensation said contractor shall be entitled to receive, if any, in consequence of such change or changes. In every contract to be made under this act there shall be prescribed a period within which the work provided for in said contract, or specified portions thereof, shall be completed, and the completion of such work within the periods prescribed shall be insured by penal provisions. For the construction or completion of such vessels hereinbefore provided for as the Secretary of the Navy shall propose to have constructed or completed by contract, as well as also for the engines, boilers, and machinery hereinbefore provided for, he shall invite proposals from every American shipbuilder and other person who shall show to the satisfaction of the Secre-

Proposals  
from American  
shipbuilders.

tary of the Navy that within three months from the date of the contract he will be possessed of the necessary plant for the performance of the work in the United States which he shall offer to undertake, and such contract shall be let to the lowest and best responsible bidder or bidders, after at least sixty days' advertisement, published in five leading papers of the United States, inviting proposals for the work proposed, which work shall be subject to all such rules, regulations, superintendence by naval officers during construction, and provisions as to bonds and security for the quality and due completion of the work as the Secretary of the Navy shall prescribe; and no vessel, boiler, engine, machinery, or portion thereof shall be accepted unless completed in strict conformity with the contract; and the authority given hereby shall take effect at once. The Secretary of the Navy shall have the power to reject any or all bids made under the provisions of this act.

SEC. 8. That the sum of one million dollars is hereby appropriated towards the armament of the vessels authorized by the act of March third, eighteen hundred and eighty-five, of the vessels authorized by section one of this act, and of the unfinished monitors hereinbefore mentioned, and of the Miantonomoh; and the Secretary of the Navy is hereby authorized to direct the application of such portions of this sum as may be necessary to the manufacture or purchase of such tools and machinery or the erection of such structures as may be required for use in the manufacture of such armament, or any part thereof: *Provided*, That the Secretary of the Navy may contract with domestic manufacturers for the construction of such portion of the heavy guns herein provided for as may not be built by the Government.

Armament of  
vessels author-  
ized.

Miantono-  
moh.

SEC. 9. That the Secretary of the Navy is hereby authorized to contract with the Pneumatic Dynamite-Gun Company of New York for one dynamite-gun cruiser, as follows: Said cruiser to be not less than two hundred and thirty feet long, twenty-six feet breadth of beam, seven and one-half feet draught, three thousand two hundred horse-power, and guaranteed to attain a speed of twenty knots an hour, and to be equipped with three pneumatic dynamite-guns of ten and one-half inch caliber, and guaranteed to throw shells containing two hundred pounds of dynamite or other high explosives at least one mile, each gun to be capable of being discharged once in two minutes, at a price not to exceed three hundred and fifty thousand dollars; said contract to be made only on condition that there shall be a favorable report made by the existing Naval Board on the system; to be paid for as the work progresses, and upon the report of such board or boards of inspectors as the Secretary of the Navy may for that purpose appoint, reserving thirty per centum on

Dynamite  
gun cruiser  
authorized.

Pneumatic  
Dynamite-Gun  
Company.

all such payments until the whole work is completed and accepted by the Secretary of the Navy.

The Pneumatic Dynamite-Gun Company shall furnish bonds satisfactory to the Secretary of the Navy for the faithful performance of its contract, and for the refunding of the money paid hereunder in case of the non-performance of the same, and shall further agree with the Secretary of the Navy upon a limit of price which shall not be exceeded in any future contracts which the Government may desire to enter into for the purchase of the company's guns.

Experiment  
with torpedoes.

SEC. 10. That towards the construction and completion of the vessels hereinbefore mentioned, including the vessel and guns mentioned in section nine, the sum of two million five hundred thousand dollars is hereby appropriated, of which not more than seventy-five thousand dollars may be expended in manufacturing, purchasing, and experimenting with torpedoes of domestic manufacture and not exceeding one hundred and fifty thousand dollars may be expended, under the direction of the Secretary of the Navy, in improving the plant of such of the navy-yards as he may select.

Approved, August 3, 1886.



## FORTY-NINTH CONGRESS, SECOND SESSION—MARCH 3, 1887.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-eight, and for other purposes.

[In this act the method of dealing with civil establishment at navy yards and stations differs from the plan hitherto followed, in that the positions and salaries of the several employees are specifically mentioned. Publishing the statutory positions of clerical, drafting, inspection and messenger service at navy yards and stations is not deemed to be of sufficient importance to refer to here. Accordingly provisions relating to civil establishment, in so far as they relate to individual positions, are omitted until such time as the subject is later treated generally.

Provision is made for the Naval Establishment, and under the headings—]

### BUREAU OF ORDNANCE.

For "ordnance and ordnance stores: \* \* \* Twenty thousand four hundred dollars, or so much thereof as may be necessary, may be used, in the discretion of the Secretary of the Navy, for the purchase and completion of three steel-cast, rough-bored and turned, six-inch, high-power rifle cannon, of domestic manufacture, one of which shall be of Bessemer steel, one of open hearth steel, and one of crucible steel: *Provided*, That the castings for said cannon shall not be paid for until the cannon shall have been completed and have successfully stood the statutory test required by the act of July twenty-sixth, eighteen hundred and eighty-six, entitled 'An act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-seven, and for other purposes.'

High-power  
rifle cannon.

"For proof of naval armament, six thousand dollars.  
"For purchase of land for proving and ranging ground for naval guns, and for constructing buildings, butts, shelters, and batteries, forty thousand dollars."

Proof of na-  
val armament.  
Proving  
ground.

\* \* \* \* \*

"Torpedo Corps: For \* \* \* extension to electrical laboratory, three thousand dollars; ponton, eight hundred dollars; repairs to sea-wall, three thousand dollars; water-pipe from Newport to station, one thousand dollars; \* \* \*."

Torpedo  
Corps.

Provision "to enable the Secretary of the Navy to purchase the steamer Stiletto for use as a torpedo boat for experimental purposes, twenty-five thousand dollars."

Steamer  
Stiletto.

## BUREAU OF YARDS AND DOCKS.

	*	*	*	*	*
Boston.	For "public works: For rebuilding wharves at navy-yard, Boston, Massachusetts, twenty-five thousand dollars;				
	"For rebuilding floating-gate, dry-dock, Boston, Massachusetts, to be immediately available, thirty-one thousand dollars.				
Timber dry docks.	"For two timber dry-docks, to be located at such navy-yards as the Secretary of the Navy may indicate, each dock to be not less than four hundred and eighty feet in length, the cost of the two docks not to exceed in the aggregate the amount herein appropriated, one million one hundred thousand dollars;				
Norfolk.	"For railroad extension in the navy-yard at Norfolk, Virginia, and engine-house, twenty thousand dollars;				
Mare Island.	"For cisterns at the navy-yard at Mare Island, California, forty-six thousand three hundred and sixty-four dollars;				
	"For repairs and preservation at navy-yards, four hundred and fifty thousand dollars;				
Training station, Coaster's Harbor Island.	"Naval Training Station, Coaster's Harbor Island, Rhode Island: For extending wharf and dredging; repairs to main causeway, sea-wall, roads, buildings, and grounds, and the necessary labor and implements required for the proper preservation of the same; for repairs and improvements on buildings; heating, lighting, and furniture for same; books and stationery; freight and other contingent expenses; purchase of food and maintenance of horses and mail-wagon, and attendance on same, fourteen thousand dollars.				
Naval Observatory.	"For continuing the erection of the new Naval Observatory authorized by the act of Congress approved July twenty-sixth, eighteen hundred and eighty-six, sixty thousand dollars, of which sum ten thousand dollars may be used for the purchase of a new meridian circle. Said observatory shall not cost more than four hundred thousand dollars and no work shall be done thereon except under a contract which shall provide for the completion of the same, upon plans previously adopted, for a sum not exceeding said limit of cost hereby affixed; * * *."				

## BUREAU OF MEDICINE AND SURGERY.

	*	*	*	*	*
Naval hospital, Penobscot Bay, Me.	For "naval hospital and sanitarium: For the construction of a naval hospital and sanitarium, and wharf for landing, on Widows Island, Penobscot Bay, Maine, fifty thousand dollars, to be immediately available; said sum to be in full for all expenses of erecting and furnishing said sanitarium, including all necessary improvements on the island."				

For the improvement of the naval-hospital park at <sup>Portsmouth,</sup> Portsmouth, Virginia, five thousand dollars. <sub>Va.</sub>

BUREAU OF PROVISIONS AND CLOTHING.

\* \* \* \* \*

For contingent expenses: A provision to “\* \* \* Consolidating  
pay the expenses of consolidating and arranging under stores.  
orders of the Secretary of the Navy, the stores and other  
property of the United States under control of the De-  
partment of the Navy, to be immediately available,  
twenty thousand dollars, or so much thereof as may be  
necessary.”

\* \* \* \* \*

BUREAU OF CONSTRUCTION AND REPAIR.

“\* \* \* *Provided*, \* \* \* The Secretary of the <sup>New York,</sup> Navy shall sell the New York, under the laws and regu-  
sale of.  
lations applicable to the sale of condemned property in  
the Navy Department.”

\* \* \* \* \*

NAVAL ACADEMY.

“For \* \* \* repairs to wharves, \* \* \* boat- <sup>Repairs, mis-</sup>  
house for steam launches and addition to library <sub>cellaneous.</sub>  
building.”

MARINE CORPS.

\* \* \* \* \*

“For pay of retired enlisted men: For one sergeant- <sup>Pay of re-</sup>  
major, one drum-major, one first sergeant, four sergeants, <sub>tired enlisted</sub>  
one first-class musician, two drummers, one fifer, and five  
privates, \* \* \* .

“Provisions, Marine Corps: For one thousand non- <sup>Provisions,</sup>  
commissioned officers, musicians, and privates, three hun- <sub>Marine Corps.</sub>  
dred and sixty-six days, at one ration per day, three hun-  
dred and sixty-six thousand rations, at sixteen cents per  
ration:

“Difference between the cost of rations at sixteen cents  
and commutation at one dollar for one enlisted man em-  
ployed as clerk to colonel commandant, three hundred  
and sixty-six days, three hundred and sixty-six rations,  
at eighty-four cents per ration;

“Difference between the cost of rations at sixteen cents  
and commutation at seventy-five cents for nine enlisted  
men employed as clerks and messengers in commandant's,  
adjutant and inspector's, paymaster and quartermaster's  
offices, Washington, District of Columbia, and assistant  
quartermaster's offices, Philadelphia, Pennsylvania, and  
San Francisco, California, three hundred and sixty-six



days, three thousand two hundred and ninety-four rations, at fifty-nine cents per ration;

"Difference between the cost of rations at sixteen cents and commutation at fifty cents for three enlisted men employed as above, three hundred and sixty-six days, one thousand and ninety-eight rations, at thirty-four cents per ration;

"Amount required to be transferred to paymaster Marine Corps on account of rations to retired men, seventeen men, at fifty-seven dollars and fourteen cents per annum; \* \* \*

Clothing.

"Clothing, Marine Corps: For two thousand non-commissioned officers, musicians, and privates, at thirty-seven dollars and sixty cents actual cost per annum. \* \* \*

Officers' quarters, Mare Island.

"For repair of barracks: \* \* \* For the erection officers' quarters at navy-yard, Mare Island, California (appropriation to be immediately available), fifteen thousand dollars, or so much thereof as may be necessary; and no more than said sum shall be expended for the erection and completion of said quarters, and no contract therefor shall be valid which shall not provide for the completion thereof for a sum within this appropriation; repairs of barracks, Mare Island, California, two thousand dollars; introducing steam-heating apparatus in marine barracks, Portsmouth, New Hampshire, as per estimates, one thousand seven hundred and fifty dollars; \* \* \*

Hire of quarters.

"For hire of quarters for seven enlisted men employed as clerks and messengers in commandant's, adjutant and inspector's, paymaster and quartermaster's offices, Washington, District of Columbia, and assistant quartermasters' offices Philadelphia, Pennsylvania, and San Francisco, California, twenty-one dollars per month each, one thousand seven hundred and sixty-four dollars.

"For hire of quarters for three enlisted men employed as above, at ten dollars each per month, three hundred and sixty dollars; \* \* \*."

#### INCREASE OF THE NAVY.

Two steel gunboats.

SEC. 2. That for the purpose of increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract two steel gunboats each of about seventeen hundred tons displacement; of the type of gunboat number one; at a cost, exclusive of armament, of not more than five hundred and fifty thousand dollars each, two steel cruisers to be provided with such armament for each as the Navy Department may deem suitable. The cost of both of said cruisers in the aggregate, complete, exclusive of armament, and excluding any premiums that may be paid for speed for the same shall not be more than three million dollars. The sum of one million five hundred thousand dollars is

Two steel cruisers.



hereby appropriated out of any money in the Treasury not otherwise appropriated toward the construction of said vessels.

That in the construction of the aforesaid vessels all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to material for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of and proposals for the same, the plans, drawings, and specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, so far as the same relate to vessels constructed under contract, save that in all their parts they shall be of domestic manufacture. The contracts for the construction of said cruisers shall contain provisions to the effect that the contractor guarantees that when completed and tested for speed, under conditions to be prescribed by the Navy Department, the vessel shall exhibit a maximum speed of at least nineteen knots per hour; and for every quarter knot of speed so exhibited above said guarantee the contractor shall receive a premium over and above his contract-price of fifty thousand dollars, and for every quarter knot that said vessel fails of reaching said guaranteed speed there shall be deducted from the contract-price the sum of fifty thousand dollars.

Speed provided for.

In making proposals for contracts for building the vessels authorized to be constructed under this act, it shall be required that one of such vessels shall be built on or near the coast of the Pacific Ocean, or the waters connecting therewith, one of them on or near the coast of the Gulf of Mexico, or the waters connecting therewith, and two of them on or near the coast of the Atlantic Ocean, or the waters connecting therewith, and at such places on or near such coasts or waters as the Secretary of the Navy shall approve.

If it shall appear to the satisfaction of the President of the United States, from the biddings for said contracts, when the same are opened and examined by him, that said vessels cannot be constructed at a fair cost on or near the coast of the Pacific Ocean or the Gulf of Mexico, he shall authorize the construction of said vessels or either of them elsewhere in the United States. And the Secretary of the Navy is hereby authorized to readvertise for the construction of cruiser number one, known as "The Newark," and the limit of cost of said vessel is hereby extended to one million three hundred thousand dollars, exclusive of armament.

Newark.

SEC. 3. That for the purpose of further increasing the naval establishment of the United States, the sums of money hereinafter named are hereby appropriated, out of any money in the Treasury not otherwise appropriated,

to be expended by the President, in the exercise of his discretion, upon plans and specifications, to be furnished by the Navy Department:

Coast and harbor defense.

For floating batteries or rams, or other naval structures, to be used for coast and harbor defense, one million dollars. The final cost of said floating batteries, rams, or other naval structures, exclusive of armament, shall not exceed two million dollars.

Torpedoes, etc.

For the purchase of, and the trial and testing of torpedoes and appliances using explosives to be operated from naval vessels, floating batteries, or rams, fifty thousand dollars, which sum shall be immediately available.

Domestic material to be used.

That the material used in all naval structures provided for in this act, and the armament for the same shall be, so far as practicable, of American production and furnished and manufactured in the United States, and all contracts made for their construction shall be under the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment:" *Provided*, That the Secretary of the Navy may employ and pay out of appropriations for new ships such civilian expert aids, additional draughtsmen, writers, copyists, and model-makers on the designs therefor as may be necessary.

Five monitors.

SEC. 4. For expenditure towards the construction and completion (exclusive of armament) of the five double-turreted monitors, the four vessels authorized by the act of March third, eighteen hundred and eighty-five, and the vessels authorized by the act of August third, eighteen hundred and eighty-six, two million four hundred and twenty thousand dollars.

Armament.

Towards the armament, of domestic manufacture, for the vessels authorized by the act of March third, eighteen hundred and eighty-five, of the vessels authorized by sections one and two of the act of August third, eighteen hundred and eighty-six, of the unfinished monitors mentioned in section three of the same act, and of the Miantonomoh, and of the vessels authorized by this act, two million one hundred and twenty-eight thousand three hundred and sixty-two dollars.

Armor and gun steel.

Towards procuring, testing, and delivering the armor and gun steel for the vessels authorized by section one of the act of August third, eighteen hundred and eighty-six, and the unfinished monitors mentioned in section three of the same act, and the vessels authorized by this act, four million dollars: *Provided*, Said armor and gun steel shall be of domestic manufacture.

Approved, March 3, 1887.

## FIFTIETH CONGRESS, FIRST SESSION—SEPTEMBER 7, 1888.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-nine, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

\* \* \* \* \*

### BUREAU OF NAVIGATION.

\* \* \* \* \*

Provides for "Training Station, Coasters' Harbor Island, Rhode Island: For repairs and improvements on buildings at Coasters' Harbor Island; heating, lighting, and furniture for same; books and stationery; freight and other contingent expenses; purchase of feed and maintenance of horses and mail-wagons, and attendance on same; and to enable the naval war college to be conducted at said Island up to January first, eighteen hundred and eighty-nine, ten thousand dollars: *Provided*, That the Secretary of the Navy is hereby authorized to consolidate and place under one command the torpedo station and the naval war college at Newport, Rhode Island, after said date."

Training station, Coasters Harbor Island.

Command, consolidation of, torpedo station and war college.

\* \* \* \* \*

### BUREAU OF ORDNANCE.

For "Ordnance and ordnance stores: For prizes to enlisted men for excellence in ordnance exercises and target practice, \* \* \*."

Gunnery prizes for enlisted men.

"For ammunition for the guns of the Vesuvius, twelve thousand dollars;

Ammunition for Vesuvius.

\* \* \* \* \*

"For modern guns and ammunition for instructing the cadets of the Naval Academy, fifty-five thousand dollars;

Modern guns and ammunition.

"For modern guns and ammunition for instructing the apprentices of the training squadron, fifty thousand dollars; \* \* \*."

Torpedo corps: For—

"New landing stage, \* \* \*;

"Completing repairs to sea-wall, \* \* \*;

"Quarters for surgeon, \* \* \*;

"For correcting the sanitary condition of the cottages used as quarters at the station, \* \* \*."



## BUREAU OF YARDS AND DOCKS.

\*                      \*                      \*                      \*                      \*

For "public works.—Navy-yards and Stations:

Boston. "Navy-yard, Boston, Massachusetts: Water-pipes and laying of same, thirty-two thousand dollars.

Brooklyn. "Navy-yard, Brooklyn, New York: Repairs to building on cob-dock now used as recreation hall by enlisted men, five thousand dollars; boiler-shop and wing to machine-shop, sixty-eight thousand three hundred and forty dollars and forty-seven cents; one building for quarters for civil engineer, ten thousand dollars; reconstructing building number seven, partially destroyed by fire in January, eighteen hundred and eighty-eight, sixty thousand dollars; in all, one hundred and forty-three thousand three hundred and forty dollars and forty-seven cents.

League Island. "Navy-yard, League Island, Pennsylvania: For repairs and improvement of grounds and construction of protection wall, seventy-five thousand dollars; for one timber dry-dock, the contract price for the full completion of which shall not exceed the amount herein appropriated, five hundred and fifty thousand dollars; in all, six hundred and twenty-five thousand dollars.

Washington. "Navy-yard Washington, District of Columbia: For the better protection of the public property at the navy-yard, Washington, District of Columbia, from danger from fire by means of electric fire alarms, time signals and watchman detectors, one thousand dollars.

Norfolk. "Navy-yard, Norfolk, Virginia: Iron and steel shop, seventy-five thousand dollars; railroad extension, ten thousand dollars; boiler-shop extension, fourteen thousand four hundred and eighty-eight dollars; water system, fifteen thousand dollars; in all, one hundred and fourteen thousand four hundred and eighty-eight dollars.

Mare Island. "Navy-yard, Mare Island, California: Finishing boiler and machine-shop, four thousand two hundred dollars; extending wharf from coal-house to foundry, thirty thousand dollars; crane scow, seven thousand dollars; pile-driver, five thousand dollars; twelve-ton swinging crane, four thousand dollars; mud scow, four thousand five hundred dollars; in all, fifty-four thousand seven hundred dollars.

Port Royal. "Naval station, Port Royal, South Carolina: Fencing, two hundred and twenty-eight dollars; artesian well, one thousand dollars; boat-house, four hundred dollars; in all, one thousand six hundred and twenty-eight dollars.

Commission to locate navy yards and dry docks. "For the expenses of a commission of three officers, to be appointed by the Secretary of the Navy, to report as to the most desirable location on or near the coast of the Gulf of Mexico and the south Atlantic coast for navy-yards and dry docks and for the expenses of sounding and surveying and estimating expenses, fifteen thousand dollars. And the Secretary of the Navy be, and he is



hereby, required to appoint a commission composed of three competent naval officers, whose duty it shall be to examine the coast north of the forty-second parallel of north latitude, in the State of Oregon and Territories of Washington and Alaska, and select a suitable site, having due regard to the commercial and naval necessities of that coast, for a navy-yard and docks; and having selected such site, shall, if upon private lands, estimate its value and ascertain the price for which it can be purchased, and of their proceedings and action make full and detailed report to the Secretary of the Navy; and the Secretary of the Navy shall transmit such report, with his recommendations, to Congress. That to defray the expenses of such commission the sum of five thousand dollars of the above amount, or as much thereof as may be necessary, may be used."

"Adjustable stern-dock: For one adjustable stern-dock, to be constructed at such place as the Secretary of the Navy may determine, thirty thousand dollars."

Adjustable  
stern-dock.

For "new Naval Observatory: For continuing the erection of the new Naval Observatory and necessary buildings upon the site purchased under the act of Congress approved February fourth, eighteen hundred and eighty (twenty-one Statutes, page sixty-four), fifty thousand dollars: Provided, That the work upon the domes, piers, transit shutters and floors of the observing rooms, and the necessary elevators in the building, and the fittings of the library and of the temperature room may be done by the Secretary of the Navy without contract, or in such manner as he shall deem most advantageous to the Government, but the total cost of said observatory, including the aforesaid items, shall not exceed the limit of four hundred thousand dollars fixed by the act making appropriations for the naval service, approved March third, eighteen hundred and eighty-seven."

New Naval  
Observatory.

NAVAL ASYLUM, PHILADELPHIA, \* \* \* :

For "transportation of indigent and destitute beneficiaries to the Naval Asylum, five hundred dollars; erecting brick building for kitchen, laundry, and dormitories, for female employees, seventeen thousand five hundred dollars; removing range and laundry machinery to same, four hundred dollars; fitting up bath-rooms for beneficiaries, eight hundred dollars: \* \* \*."

Transporta-  
tion.  
Brick build-  
ing, bath  
rooms, etc.

BUREAU OF MEDICINE AND SURGERY.

For continuing the improvement of the naval-hospital park at Portsmouth, Virginia, five thousand dollars:

For repairing granite sea-wall at naval hospital Norfolk, Virginia, twenty thousand dollars; \* \* \* .

Naval hos-  
pital improve-  
ment, Norfolk,  
Va.

## BUREAU OF PROVISIONS AND CLOTHING.

## Provisions, Navy:

General  
storehouses—  
expenses.

For "labor and expenses of general store-houses, \* \* \*."

## BUREAU OF CONSTRUCTION AND REPAIR.

Plant—Mare  
Island.

\* \* \* \* \*

For "improvement of the plant at the navy-yard, Mare Island, California: Extra tools required to put the yard in condition for building and repairing iron and steel ships, \* \* \*."

## NAVAL ACADEMY.

Boathouse.

\* \* \* \* \*

Contingent Naval Academy: "\* \* \* To complete boat-house for steam-launches, twenty-five thousand dollars, in addition to the five thousand dollars heretofore appropriated, which is hereby re-appropriated \* \* \*."

## MARINE CORPS.

Tents, etc.

\* \* \* \* \*

"MILITARY STORES, MARINE CORPS: \* \* \*

"\* \* \* purchase of tents and camp-equipage, one thousand dollars; \* \* \*."

Barracks,  
Norfolk.

For "the erection of barracks at Norfolk, Virginia, thirty thousand dollars."

\* \* \* \* \*

## INCREASE OF THE NAVY.

Two steel  
cruisers.One steel  
cruiser.One armored  
cruiser.Three gun-  
boats.

CONSTRUCTION: That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed, by contract, two steel cruisers of about three thousand tons displacement each, at a cost, exclusive of armament, and excluding any premiums that may be paid for increased speed, of not more than eleven hundred thousand dollars each; one steel cruiser of about five thousand three hundred tons displacement, to cost, exclusive of armament, and excluding any premium that may be paid for increased speed, not more than eighteen hundred thousand dollars; one armored cruiser of about seven thousand five hundred tons displacement, to cost, exclusive of armament, not more than three million five hundred thousand dollars; and three gun-boats, or cruisers, neither of which shall exceed two thousand tons in displacement nor seven hundred thousand dollars in cost, excluding any premium that may be paid for increased speed and the cost of armament; said three gun-boats, or cruisers, to be built either wholly of steel or with steel

frames. The contracts for the construction of said first three cruisers shall contain provisions to the effect that the contractor guarantees that when completed and tested for speed, under conditions to be prescribed by the Navy Department, the two vessels first hereinbefore provided for, shall each exhibit a maximum speed of at least nineteen knots per hour; and the vessel of five thousand three hundred tons displacement, a maximum speed of at least twenty knots per hour; and in the case of each vessel, for every quarter knot of speed so exhibited above said guarantee the contractor shall receive a premium over and above the contract price of fifty thousand dollars; and for every quarter knot that such vessel fails of reaching said guaranteed speed, there shall be deducted from the contract price the sum of fifty thousand dollars. And in the contract for the construction of the three last-mentioned vessels such provisions for increased speed and the premium for the same shall be made as in the discretion of the Secretary of the Navy may be deemed advisable. In the construction of all of said vessels all the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment" as to material for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of, and proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, save that in all their parts said vessels shall be of domestic manufacture. If the Secretary of the Navy shall be unable to contract at reasonable prices for the building of any of said vessels, then he may build such vessel or vessels in such navy-yards as he may designate.

Speed.

Material.

**CONSTRUCTION AND STEAM MACHINERY:** Towards the construction and completion of the new vessels heretofore and herein authorized by Congress with their engines, boilers, and machinery, and for the payment of premiums for increased speed or horse-power under contracts now existing and to be made under this act, three million five hundred thousand dollars.

Construction and machinery.

**ARMAMENT:** Towards the armor and armament of domestic manufacture of new ships heretofore and herein authorized, two million dollars; in all, five million five hundred thousand dollars.

Armor and armament.

**STEEL PRACTICE VESSEL:** For the construction of one steel practice vessel of eight hundred tons, for the use of the United States Naval Academy at Annapolis, except when in emergencies it may be used for other purposes, to be built by contract in accordance with the terms of the "Act to increase the naval establishment," approved August third, eighteen hundred and eighty-six, two hundred and sixty thousand dollars.

Practice vessel, Naval Academy.

Approved, September 7, 1888.





# FIFTIETH CONGRESS, SECOND SESSION—MARCH 2, 1889.

[PUBLIC—No. 114.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

\* \* \* \* \*

## BUREAU OF NAVIGATION.

\* \* \* \* \*

"For installing the receiving-ship Vermont with an electric-lighting plant \* \* \*."

Vermont.

## BUREAU OF ORDNANCE.

\* \* \* \* \*

"For new wharf and approaches at Craney Island, Norfolk Harbor \* \* \*."

Craney Island.

For "Naval Torpedo Station and War College: \* \* \*"

Naval torpedo station and War College.

"For the construction of a building for use by the Naval Torpedo Station and War College as consolidated by order of the Secretary of the Navy January eleventh, eighteen hundred and eighty-nine, one hundred thousand dollars, to be immediately available, said sum to be in full for all expenses of designing, erecting, and furnishing said building.

"For enlarging torpedo boat-house, five thousand dollars."

\* \* \* \* \*

## BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

PUBLIC WORKS.—Navy-yards and stations:

Navy-yard, Boston, Massachusetts: Rebuilding by contract officers' quarters L, M, N, and O, at a cost when completed not to exceed the sum hereby appropriated, twenty-eight thousand six hundred and ten dollars.

Boston.

Navy-yard, Brooklyn, New York: For improving Whitney basin, forty thousand dollars; railroad throughout the yard, fifteen thousand dollars.

Brooklyn.

Navy-yard, League Island, Pennsylvania: For landing wharf foot of Fifteenth street, dimensions seventy-five by four hundred feet, twenty-six thousand four hundred and sixteen dollars and forty cents; dredging and filling in, seventy-five thousand dollars, and in the expenditure of

League Island.

this sum the Secretary of the Navy may co-operate with the Secretary of War and utilize any earth that may be removed from adjacent waters under appropriations made by Congress.

Washington,  
railroad at.

Navy-yard, Washington, District of Columbia: To enable the Secretary of the Navy to cause a track, with all necessary switches and turn-outs, to be laid from a point on the line of the Baltimore and Potomac Railroad opposite the northwesterly corner of the Government reservation fronting on K and L streets southeast, and to run thence in a southerly direction across said reservation and along the existing highway, to a suitable place of entrance on the westerly side of the navy-yard, Washington, District of Columbia, and to be continued from such place of entrance to such points within said yard as the Secretary of the Navy may direct, such track to be used exclusively for the transportation of material belonging to, or intended for the use of, the United States, fifteen thousand dollars.

Norfolk.

Navy-yard, Norfolk, Virginia: For building, by contract, two officers' quarters, to cost, when complete, not exceeding the sum hereby appropriated, sixteen thousand dollars.

Mare Island.

Navy-yard, Mare Island, California: For iron-plating shop, five thousand seven hundred and fifty-five dollars and forty cents; roads along water front and about shops, five thousand dollars; extension of quay wall, fifty-five thousand dollars; continuing work on granite dry-dock, to be made available immediately, eighty thousand dollars.

Port Royal.

Naval station, Port Royal, South Carolina: For officers' quarters, two thousand dollars.

Key West.

Naval station, Key West, Florida: For two houses, for officers' quarters, eight thousand dollars.

Electric  
lighting.

Electric lighting of navy-yards: For the establishment of plant and the inauguration of electric lighting in the navy-yards at New York, Norfolk, Virginia, Washington, District of Columbia, and Mare Island, California, to be immediately available, sixty thousand dollars.

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Coal station.

For the purpose of permanently establishing a station for coal and other supplies for the naval and commercial marine of the United States, on the shores of the Bay of the Harbor of Pago Pago in the island of Tutuilla, Samoa, for the erection of the necessary buildings and structures thereon and for such other purposes as may, in the judgment of the President, be necessary to confirm the rights of the United States under Article second of the Treaty of eighteen hundred and seventy-eight, between the United States and the King of the Samoan Islands, and the deed of transfer made in accordance therewith, one hundred thousand dollars, to be immediately available.

Pago Pago.

New Naval Observatory: For completing new Naval Observatory and necessary buildings upon the site purchased under the act of Congress approved February fourth, eighteen hundred and eighty, two hundred and forty thousand dollars.

\* \* \* \* \*

BUREAU OF MEDICINE AND SURGERY.

\* \* \* \* \*

For "sick quarters, navy-yard, Portsmouth, New Hampshire: For the construction by contract of sick quarters at the navy-yard, Portsmouth, New Hampshire, in full for all expenses of erecting and furnishing the same, to be immediately available, thirty-five thousand dollars."

BUREAU OF PROVISIONS AND CLOTHING.

Provisions, Navy, Bureau of Provisions and Clothing:

\* \* \* "For labor and expenses of \* \* \* paymasters' offices in yards, \* \* \*."

Sick quarters, Portsmouth, N. H.  
Expenses, pay offices.

Provided:

"It shall be the duty of the Bureau of Provisions and Clothing to cause property accounts to be kept of all the supplies pertaining to the naval establishment, and to report annually to Congress the money values of the supplies on hand at the various stations at the beginning of the fiscal year, the dispositions thereof, and of the purchases, and the expenditures of supplies for the year, and the balances remaining on hand at the end thereof."

Property accounting.

"And for the purpose of utilizing accumulated naval supplies, the transfer is authorized, after requisition upon the Paymaster-General of the Navy, of any supplies belonging to one bureau and available for the use of another without reimbursement therefor by the bureau receiving the supplies so transferred: *Provided*, That supplies obtained for a specific object and still needed therefor, and supplies bought within the fiscal year in which the requisition is made, and provisions, clothing, and small stores shall not be subject to transfer without charge under the terms of this act."

Common general stock.

BUREAU OF CONSTRUCTION AND REPAIR.

\* \* \* \* \*

"For the purchase, or construction by contract, of four steam-tugs, the cost of which shall not exceed thirty-five thousand dollars each, one for use at the navy-yard, Washington, District of Columbia, and one at the navy-yard, Mare Island, California; \* \* \*."

Four steam tugs.



New York  
Navy Yard.

"Improvement of plant at navy-yard, New York: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for building and repairing iron and steel ships, fifty thousand dollars.

Norfolk Navy  
Yard.

"Improvement of plant at navy-yard, Norfolk, Virginia: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for building and repairing iron and steel ships, fifty thousand dollars."

\* \* \* \* \*

#### NAVAL ACADEMY.

\* \* \* \* \*

Sites for pub-  
lic buildings,  
Naval Acad-  
emy.

For the purchase of the land and buildings thereon, and inclosing and grading the same, situated adjacent to the Naval Academy at Annapolis, and between the Academy grounds and the Naval Hospital grounds, a sum not exceeding ninety thousand dollars: *Provided, however,* That the Secretary of the Navy may, if he deems it for the best interests of the United States, proceed and acquire title to said land and buildings by condemnation thereof by judicial proceedings to be commenced in the appropriate circuit court of the United States, which court shall, for the purpose of ascertaining the true value of said land, appoint three commissioners, who shall be competent and disinterested appraisers, and all the proceedings for the condemnation aforesaid shall be in accordance, except as herein provided, with the act of Congress of August first, eighteen hundred and eighty-eight, entitled "An act to authorize condemnation of land for sites of public buildings, and for other purposes."

\* \* \* \* \*

Furniture.

For new furniture for cadets' quarters (wardrobes, bedsteads, and tables, \* \* \*).

#### MARINE CORPS.

Marine bar-  
racks, Boston,  
Norfolk, Brook-  
lyn.

For alteration and repair of marine barracks at Boston, Massachusetts, five thousand dollars;

To complete the erection of marine barracks at Norfolk, Virginia, fifteen thousand dollars.

For repairing buildings recently damaged by storm, marine barracks, navy-yard, Brooklyn, New York, twenty thousand dollars, to be immediately available;

\* \* \* \* \*

#### INCREASE OF THE NAVY.

Steel moni-  
tor.

To enable the President to further increase the Naval Establishment of the United States he is hereby authorized to have constructed by contract one armored steel



cruising monitor, of not less than three thousand tons displacement, at a cost of not exceeding one million five hundred thousand dollars—exclusive of armament, and of any premium which may be paid for increased speed—of the type, and according to the plans approved and recommended by a naval board in their report to the Secretary of the Navy, and by him referred to and approved in his letter to the chairman of the Committee on Naval Affairs of the House of Representatives, dated January ninth, eighteen hundred and eighty-nine, to be approved by the Secretary of the Navy.

The contract for the construction of said cruising monitor, her boilers, engines, and machinery, shall contain provisions to the effect that, under conditions to be prescribed by the Navy Department, the contractor shall guarantee that the collective horse-power developed by the engines of said vessel shall equal seven thousand five hundred indicated horse-power, and that said vessel when completed and tested for speed, under conditions to be prescribed by the Navy Department, shall exhibit a maximum speed of not less than seventeen knots per hour; and the contract for said vessel shall contain a further provision that for every quarter of knot of speed so exhibited above said guaranty of seventeen knots the contractor shall receive a premium, over and above the contract price, of fifty thousand dollars, and for every quarter-knot that said vessel fails of reaching said guaranteed speed there shall be deducted from the contract price the sum of fifty thousand dollars. The material, boilers, engines, and machinery shall be of domestic manufacture and of the latest and most approved quality and type.

Maximum speed.

Material.

The act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," so far as applicable, shall govern the construction of said vessel.

And the President is also hereby further authorized to contract with the Pneumatic Dynamite Gun Company for the construction of one additional cruiser of the Vesuvius type, of not less dimensions than that vessel, and to attain a speed under similar conditions as to trial, of twenty-one knots an hour, with an endurance of not less than fifteen days at ten knots an hour, to be armed with two pneumatic dynamite guns of fifteen inch caliber, and to be fitted for such other armament as the Secretary of the Navy may prescribe: *Provided*, That the contractors shall guarantee a speed of twenty knots an hour, and that there shall be deducted from the contract price the sum of ten thousand dollars for every quarter knot that said vessel fails of reaching the further speed of twenty-one knots per hour: *And provided further*, That the Secretary of the Navy shall be satisfied, after official tests made with the Vesuvius and her guns, as to the

Dynamite gun cruiser.

Speed.

efficiency of the armament of that vessel; and the cost of said vessel shall not exceed the sum of four hundred and fifty thousand dollars.

Two gun-boats.

The President is hereby further authorized to have constructed by contract two steel cruisers or gun-boats of the most approved type, of eight hundred to twelve hundred tons displacement, to cost in the aggregate, exclusive of armament, not more than seven hundred thousand dollars, and one ram for harbor defense of the general type approved by the Naval Advisory Board in their report to the Secretary of the Navy of November seventh, eighteen hundred and eighty-one, of the highest practicable speed.

One ram.

The act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," so far as applicable, shall govern the construction of the two steel cruisers or gun-boats, and the ram herein authorized; and all of said vessels shall be of domestic manufacture.

Rifled guns.

To enable the Secretary of the Navy to test, and if found satisfactory, to purchase three or more rapid-fire rapid-twist, one-pounder breech-loading rifled guns, and an equal number of the same type of three-pounder guns, and an equal number of the same type of thirty-two-pounder guns, as the Secretary of the Navy may designate, said test to be made with the cartridge known as a reinforce cartridge, and for said purpose the sum of fifty thousand dollars is hereby appropriated: *Provided*, That no part of this money shall be expended until the owners of the patents for such guns and cartridges shall contract at such a price as shall be satisfactory to the Secretary of the Navy for the exclusive right on the part of the Government to manufacture, by contract or otherwise, such guns and cartridges without the payment of any royalty upon the same, the option of the Government to make such contract to be exercised within a period to be fixed by said contract.

Construction and machinery.

CONSTRUCTION AND STEAM MACHINERY: Towards the construction and completion of the new vessels heretofore and herein authorized by Congress, with their engines, boilers, and machinery, and for the payment of premiums for increased speed or horse-power under contracts now existing and to be made under this and other acts providing for increase of the Navy, four million and fifty-five thousand dollars, of which sum fifty-five thousand dollars is hereby authorized to be expended by the Secretary of the Navy upon the electric lighting of the Miantonomah, Terror, Monadnock, Petrel, and Vesuvius, in addition to the amounts heretofore authorized to be expended on the said vessels.

Armor and armament.

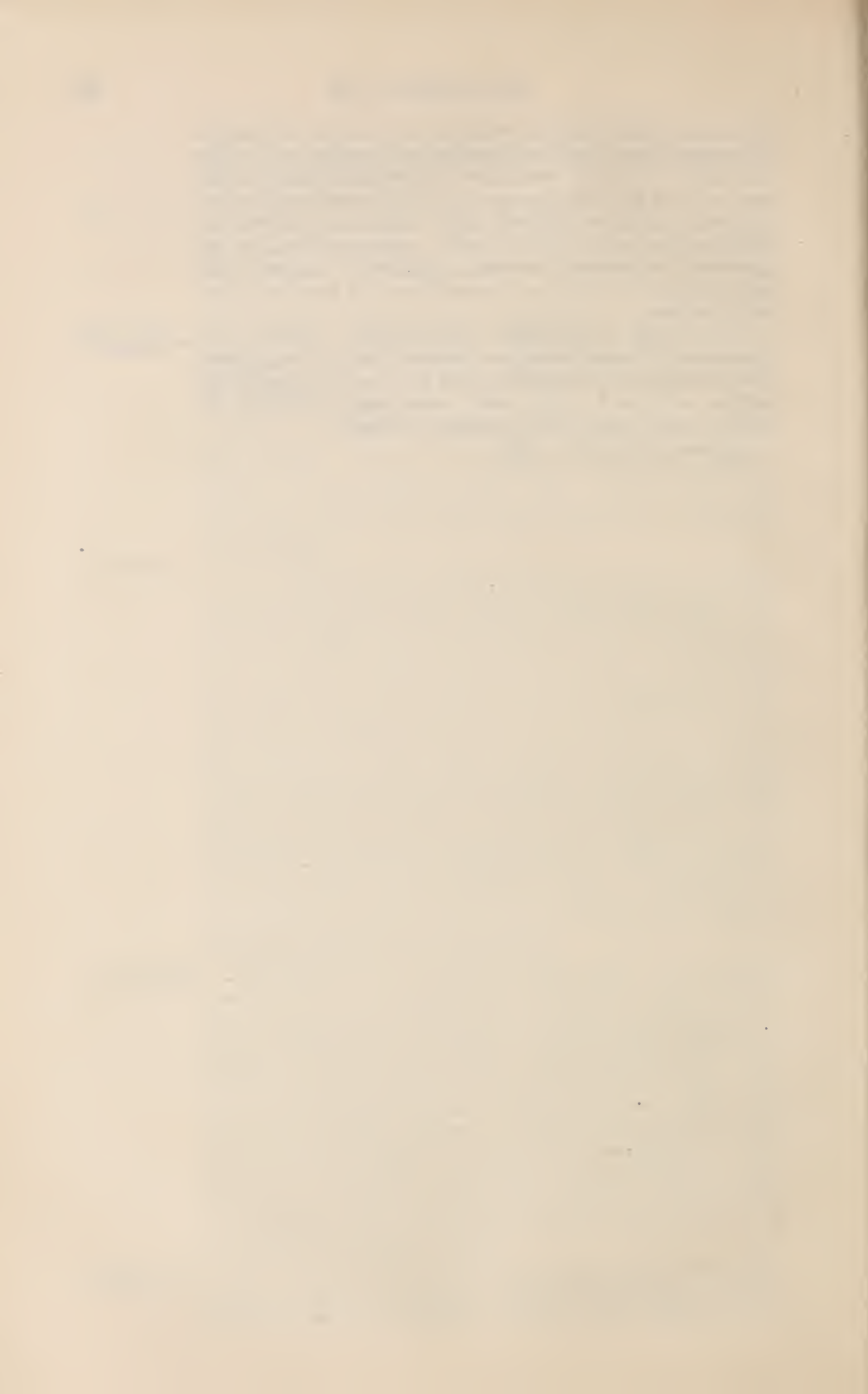
ARMAMENT: Towards the armament and armor of domestic manufacture for the vessels authorized by the act of March third, eighteen hundred and eighty-five; of

the vessels authorized by sections one and two of the act of August third, eighteen hundred and eighty-six; of the unfinished monitors mentioned in section three of the same act; of the Miantonomah; of the vessels authorized by the act approved March third, eighteen hundred and eighty-seven, and of the vessels authorized by the act approved September seventh, eighteen hundred and eighty-eight, and this act, two million five hundred thousand dollars.

GUN PLANT, NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: To complete the construction and equipment of the ordnance shops, offices, and gun plant at the Washington navy-yard, to be made immediately available, six hundred and twenty-five thousand dollars. <sup>Gun plant, Washington.</sup>

Approved, March 2, 1889.

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## FIFTY-FIRST CONGRESS, FIRST SESSION—JUNE 30, 1890.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-one, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

\*                      \*                      \*                      \*                      \*

### BUREAU OF NAVIGATION.

“FOR THE PURCHASE OF FARMER’S HOUSE, COASTER’S HARBOR ISLAND, RHODE ISLAND: For the purchase of the Farmer’s House, on Coaster’s Harbor Island, erected by W. A. Whaley, at his expense, under permission granted him by the Secretary of the Navy, September twenty-sixth, eighteen hundred and eighty-four, two thousand two hundred and fifty dollars.

Coaster’s  
Harbor Island.

“GUNNERY EXERCISES: For prizes for excellence in gunnery exercises and target practice; for the establishment and maintenance of targets and ranges; for hiring established ranges, and for transportation to and from ranges, six thousand dollars.

Prizes for  
gunnery.

“OCEAN AND LAKE SURVEYS: For ocean and lake surveys, the publication and care of the results thereof; the purchase of nautical books, charts, and sailing directions, \* \* \*.

Surveys.

“BOUNTY FOR NAVAL APPRENTICES: For bounties for outfits of seven hundred and fifty naval apprentices, thirty thousand dollars.

Naval ap-  
prentices.

\*                      \*                      \*                      \*                      \*

“CONTINGENT, BUREAU OF NAVIGATION: For heating apparatus for receiving and training ships, and extra expenses thereof; \* \* \* ferriage, ice, apprehension of deserters and stragglers, continuous-service certificates, good-conduct badges and medals for boys; school-books for training-ships; \* \* \*.

Contingent.

“NAVAL WAR COLLEGE AND TORPEDO SCHOOL ON COASTER’S HARBOR ISLAND: For maintenance of the Naval War College and Torpedo School on Coaster’s Harbor Island, ten thousand dollars; and the Secretary of the Navy is hereby authorized to cause the building for use by the Naval War College and Torpedo School, for the construction of which the sum of one hundred thousand dollars was appropriated in the act of March second, eighteen hundred and eighty-nine, to be erected on Coaster’s Harbor Island.”

Location of  
Naval War Col-  
lege and Tor-  
pedo School.

## BUREAU OF ORDNANCE.

	*	*	*	*	*
Test plates.	"For the purchase of armor plates for reception tests of modern projectiles, fifty thousand dollars.				
Proving grounds.	"NAVAL ORDNANCE RANGE AND PROVING-GROUND: For draining, erection of firing butts, screens, cranes, building of wharf, chronograph house, and other necessary improvements of naval ordnance range and proving-ground heretofore authorized by act of March third, eighteen hundred and eighty-seven, twenty-five thousand dollars: <i>Provided</i> , That the moneys heretofore and hereby appropriated for the purpose of erecting buildings and making other improvements on said proving-ground may be forthwith expended upon the acquisition by the United States of the title thereto.				
Shell-lighter.	"For one steel shell-lighter of about sixty-eight tons displacement, with carrying capacity of about forty-five tons, eight thousand dollars;				
Submarine gun, test of.	"To enable the Secretary of the Navy to manufacture and experimentally test, under rules and conditions to be prescribed by him, a submarine gun and projectiles for the same, thirty thousand dollars: <i>Provided</i> , That no part of this money shall be expended until the owners of the patents to be tested under this provision shall agree by contract to give the Government the option within a specified time to contract at such price as shall be satisfactory to the Secretary of the Navy for the exclusive right on the part of the Government to manufacture by contract or otherwise such submarine guns and projectiles without the payment of any royalty on the same: <i>Provided</i> , That such submarine gun and projectiles shall prove satisfactory on due test, and be approved by the Secretary of the Navy; and for testing torpedoes, twenty thousand dollars; * * *."				

## BUREAU OF EQUIPMENT.

Transferred from Bureau of Navigation.	"EQUIPMENT OF VESSELS: For purchase of * * * hammock-cloths, boom-covers, tarpaulins, * * *; stationery for equipment officers, * * * foreign and local pilotage and towage of ships of war; services and materials in correcting compasses on board ship, and for adjusting and testing compasses on shore; nautical and astronomical instruments, and repairs of nautical instruments for ships of war; libraries for ships of war; professional books and papers, and drawings and engravings for signal books; naval signals and apparatus, namely: signal lights, lanterns, rockets, running-lights, compass-fittings, including binnacles, tripods, and other appendages of ships' compasses; logs and other appliances for measuring the ship's way, and leads and other appliances for sounding; lanterns and lamps, and their appendages
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for general use on board ship including those for the cabin, wardroom, and steerage, for the holds and store-rooms; for decks and quartermaster's use; bunting and other materials for flags, and making and repairing flags of all kinds; oil for ships of war, other than that used in the engineer department; candles, when used as a substitute for oil in binnacles and running-lights, chimneys and wicks, and soap used in the navigation department; photographic instruments and materials; stationery for commanders and navigators of vessels of war, and for use of courts-martial; musical instruments, and music for vessels of war; steering signals and indicators, and speaking-tubes and gongs for signal communications on board vessels of war; and for introducing and maintaining electric lights on board vessels of war, \* \* \*

"For installing the United States steamship Lancaster with an electric lighting plant, ten thousand dollars."

Lancaster.

"For electric welding machine: For installing an electric welding machine in the Boston navy-yard, twelve thousand dollars: *Provided*, That the party supplying the said machine and apparatus shall guarantee that it will operate satisfactorily in the welding of steel links for chain cables of the various sizes up to two and one half inches in diameter, and no payment shall be made until tests shall have been made to the satisfaction of the Secretary of Navy, and no royalty shall be paid for the use of said machine."

Electric welding machine,  
Boston.

\* \* \* \* \*

BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

PUBLIC WORKS—NAVY-YARDS AND STATIONS.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: For increasing water supply, six thousand three hundred and fifty dollars; completing hydrant system, six thousand and eighty dollars; for reconstructing buildings numbered forty-five and forty-six, destroyed by fire January twenty-seventh, eighteen hundred and ninety, at the United States navy-yard, Portsmouth, New Hampshire, for construction and repair, fifty thousand dollars, appropriation to be immediately available.

Portsmouth.

NAVY-YARD, BOSTON, MASSACHUSETTS: For new boiler and pumping machinery, taking down and resetting the end of granite dry dock and putting in the necessary backing and drainage, fifty thousand dollars.

Boston.

NAVY-YARD, BROOKLYN, NEW YORK: For extending railroad system and necessary rolling-stock, five thousand dollars; for completing approaches to timber dry-dock, twenty-five thousand dollars; for repairing cob-dock, improvement of Whitney Basin, rebuilding seawall and dredging, one hundred and twenty-five thousand dollars;

Brooklyn.



for relaying water-pipes in the yard, fifteen thousand dollars.

League Island.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For rebuilding Broad street wharf, sixty thousand dollars; and the sum of twenty-six thousand four hundred and sixteen dollars and forty cents appropriated by act of March second, eighteen hundred and eighty-nine, for landing wharf foot of Fifteenth street, is hereby transferred to the rebuilding of the Broad street wharf in addition to the sum appropriated by this act for building and furnishing two officers' quarters, ten thousand dollars; for dredging and filling in and paving and improvement of grounds, twenty-five thousand dollars; for extending permanent sea-wall, twenty-five thousand dollars; for the construction of a light retaining-wall, twenty-five thousand dollars.

Washington.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For changing building number seven into an apartment house of three stories for additional quarters, ten thousand dollars; for dredging and filling in, five thousand dollars.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: For completing railroad system, five thousand dollars; for completing water system, five thousand dollars; for completing approaches to timber dry-dock, ten thousand dollars; for extending machine-shop (for steam-engineering), five thousand dollars; for connecting new pumps with old dry-dock, fifteen thousand dollars.

Port Royal.

COALING STATION, PORT ROYAL, SOUTH CAROLINA: Toward the construction of a timber dry-dock or floating dock, at the coaling station, Port Royal, South Carolina, in accordance with the recommendation of the commissions to report as to the most desirable location on or near the coast of the Gulf of Mexico and the South Atlantic coasts for navy-yards and dry-docks, two hundred thousand dollars.

And the Secretary of the Navy be, and he is hereby, authorized to make a contract for the construction of said timber dry-dock, or floating dock, the cost not exceeding five hundred thousand dollars.

Key West.

NAVAL STATION, KEY WEST, FLORIDA: For changing location of railroad scale-house and pump-house, made necessary by new treasury buildings, one thousand dollars.

Mare Island.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For bridge across sectional dock basin, two thousand dollars; for boat landings, three thousand dollars; for building wagon-road towards cemetery and magazine, five thousand dollars; for replanking wharves, five thousand dollars; for completing electric-light plant, thirty thousand dollars; for moving ferry slip back, straightening sea-wall, and dredging, twenty thousand dollars; for completing repairs to sectional dry-dock, fifteen thousand dollars.



NAVAL STATION, NEW LONDON: For rebuilding the wharf, six thousand five hundred dollars. New London.

LAUNCHING WAYS AND GRANITE SLIPS AT NEW YORK AND NORFOLK NAVY-YARDS: For extending launching ways and making alterations in granite slips, thirteen thousand dollars.

\* \* \* \* \*

The Secretary of the Navy is hereby authorized to sell, Condemned stores, sale of.  
after advertisement of the sale for such time as in his judgment the public interests may require, condemned naval supplies, stores, and materials, either by public auction or by advertisement for sealed proposals for the purchase of the same.

\* \* \* \* \*

And the President be, and he hereby is, required to appoint a commission composed of two competent naval officers, one competent Army officer, and two competent persons from civil life, whose duty it shall be to select a suitable site, having due regard to commercial and naval interests, for a dry-dock at some point on the shores of the Pacific Ocean or the waters connected therewith north of the parallel of latitude marking the northern boundary of California, including the waters of Puget Sound, and also Lakes Union and Washington, in the State of Washington; and having selected such site shall, if upon private lands, estimate its value, and ascertain, as nearly as practicable, the cost for which it can be purchased or acquired, and of their proceedings and action make full and detailed report to the President, and the President shall transmit such report with his recommendations to Congress. Commission to select site for dry dock, Pacific.

And the President be, and he hereby is, required to appoint a commission composed of two competent naval officers, one competent Army officer, and two competent persons from civil life, whose duty it shall be to select a suitable site, having due regard to commercial and naval interests, for a dry-dock at some point on the shores of the Gulf of Mexico or the waters connected therewith; and having selected such site shall, if upon private lands, estimate its value and ascertain as nearly as practicable the cost for which it can be purchased or acquired, and of their proceedings and action make full and detailed report to the President, and the President shall transmit such report with his recommendations to Congress. That to defray the expenses of such commissions the sum of fifteen thousand dollars, or so much thereof as may be necessary, be, and the same is hereby, appropriated. Commission to select site for dry dock, Gulf of Mexico.

\* \* \* \* \*

## BUREAU OF MEDICINE AND SURGERY.

\* \* \* \* \*

Laundry, New York. For "laundry at naval hospital, New York: For construction of a laundry and drying-room at the naval hospital, New York, in full for all expenses of erecting the building and supplying necessary machinery and fittings, five thousand six hundred dollars.

Sick quarters, Portsmouth, N. H. "SICK QUARTERS AT NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: For additional appropriation for erecting and furnishing sick quarters at the navy-yard, Portsmouth, New Hampshire, eight thousand dollars \* \* \*."

## BUREAU OF PROVISIONS AND CLOTHING.

PROVISIONS, NAVY, BUREAU OF PROVISIONS AND CLOTHING: \* \* \*

Clothing and small stores fund. Provided: The clothing fund and small stores fund shall be hereafter consolidated and administered as a fund to be known as the clothing and small stores fund.

Advertisement. "CONTINGENT, BUREAU OF PROVISIONS AND CLOTHING: \* \* \*. Section thirty-seven hundred and eighteen of the Revised Statutes of the United States is hereby amended by striking out the words 'once a week for four weeks' and inserting in lieu thereof the words 'twice a week for two weeks or longer, not to exceed four weeks, in the discretion of the Secretary of the Navy.'"

\* \* \* \* \*

## BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: \* \* \*

Improvements to construction plants at navy yards, Portsmouth. For improvement of plant at navy-yard, Portsmouth, New Hampshire: For additional tools other than those heretofore authorized, required to further improve the condition of the yard for repairing iron and steel ships, fifty thousand dollars.

Boston. For improvement of plant at navy-yard, Boston, Massachusetts: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for repairing iron and steel ships, fifty thousand dollars.

League Island. For the improvement of plant at navy-yard, League Island, Pennsylvania: For additional tools other than those heretofore authorized, required to further improve the condition of the yard for repairing iron and steel ships, fifty thousand dollars.

New York. For improvement of plant at navy-yard, New York: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for building and repairing iron and steel ships, fifty thousand dollars.

For improvement of plant at navy-yard, Norfolk, Virginia: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for building and repairing iron and steel ships, and the erection of the same, fifty thousand dollars.

Norfolk.

For improvement of plant at navy-yard, Mare Island, California: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for building and repairing iron and steel ships, and the erection of the same, fifty thousand dollars.

Mare Island.

\* \* \* \* \*

BUREAU OF STEAM ENGINEERING.

\* \* \* \* \*

Improvement of machinery plant, navy-yard, Boston, Massachusetts: For extra tools required to put the yard in condition for repairing modern marine machinery with economy and dispatch, including improvements in boiler-making plant, and improved machine tools, forty thousand dollars.

Improvements to machinery plants at navy yards, Boston.

Improvement of machinery plant, navy-yard, Brooklyn, New York: For extra tools required to put the yard in condition for building and repairing modern marine machinery with economy and dispatch, including traveling crane in foundry and new boiler shop, seventy-five thousand dollars.

Brooklyn.

Improvement of machinery plant, navy-yard, Mare Island, California: For extra tools required to put the yard in condition for building and repairing modern marine machinery with economy and dispatch, including improvements in boiler-making plant, and improved machine tools, fifty thousand dollars.

Mare Island.

\* \* \* \* \*

NAVAL ACADEMY.

\* \* \* \* \*

New furniture for cadets' quarters, six thousand five hundred dollars.

Improvements.

For rebuilding gymnasium, twenty thousand dollars; for additional houses for instructors, four houses, twenty thousand dollars, which sums shall be made immediately available.

For the purchase of land to open King George's street to the Government property and expense of opening said street, three thousand five hundred dollars.

\* \* \* \* \*

MARINE CORPS.

\* \* \* \* \*

"FOR REPAIR OF BARRACKS: \* \* \*."

"For alteration and repair of colonel commandant's quarters, based upon survey dated September twelfth,

Commandant's quarters.



eighteen hundred and eighty-nine, seven thousand five hundred and fifty dollars.

*	*	*	*	*
Barracks, Sitka, Alaska.	"For erection of marine barracks at Sitka, Alaska, six thousand dollars."			
*	*	*	*	*

#### APPROPRIATIONS FOR SUPPLIES.

Classification of stores: not for any bureau. For expenses of arranging, classifying, consolidating, and cataloguing supplies for the Navy, herein provided for and now on hand, ten thousand dollars; and all supplies purchased with moneys appropriated by this act shall be deemed to be purchased for the Navy and not for any bureau thereof, and these supplies, together with all supplies now on hand, shall be arranged, classified, consolidated, and catalogued, and issued for consumption or use, under such regulations as the Secretary may prescribe, without regard to the bureau for which they were purchased.

#### INCREASE OF THE NAVY.

Three battle-ships.	That for the purpose of further increasing the Naval Establishment of the United States the President is hereby authorized to have constructed by contract three sea-going coast-line battle ships designed to carry the heaviest armor and most powerful ordnance upon a displacement of about eight thousand five hundred tons, with a coal endurance of about five thousand knots on the total coal capacity at the most economical rate of speed, and to have the highest practicable speed for vessels of their class, to cost, exclusive of armament and of any premiums that may be paid for increased speed not exceeding four million dollars each; one protected cruiser of about seven thousand three hundred tons displacement, at a cost, exclusive of armament, not to exceed two million seven hundred and fifty thousand dollars, to have a maximum speed of not less than twenty-one knots; one swift torpedo cruiser of about seven hundred and fifty tons displacement, at a cost, exclusive of armament, not to exceed three hundred and fifty thousand dollars, to have a maximum speed of not less than twenty-three knots; and one torpedo boat, at a cost not to exceed one hundred and twenty-five thousand dollars; and in the construction of all said vessels all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled, "An act to increase the Naval Establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts, shall be observed and fol-
One protected cruiser.	
One torpedo cruiser.	
One torpedo boat.	



lowed, and said vessels shall be built in compliance with the terms of said act, save that in all their parts said vessels shall be of domestic manufacture. And in the contracts for the construction of each of said vessels such provisions for minimum speed and for premiums for increased speed and penalties for deficient speed may be made subject to the terms of this bill, as in the discretion of the Secretary of the Navy may be deemed advisable. In making proposals for contracts for building the vessels authorized by this act it shall be required that one of such vessels shall be built on or near the coast of the Pacific Ocean or the waters connecting therewith, one of them on or near the coast of the Gulf of Mexico or the waters connecting therewith and two of them on or near the coast of the Atlantic Ocean or the waters connecting therewith, and at such places on or near such coasts or waters as the Secretary of the Navy shall approve: *Provided*, That if it shall appear to the satisfaction of the President of the United States, from the biddings for said contracts, when the same are opened and examined by him, that said vessels can not be constructed at a fair cost on or near the coast of the Pacific Ocean or the Gulf of Mexico, he shall authorize the construction of said vessels, or either of them, elsewhere in the United States; and if the Secretary of the Navy shall be unable to contract at reasonable prices for the construction of any of said vessels, then he may build such vessel or vessels in such navy-yards as he may designate.

Domestic  
manufacture.

Speed.

Proposals.

Where to be  
built.

#### UNDER THE BUREAU OF ORDNANCE.

**ARMAMENT:** Towards the armament and armor of domestic manufacture, for the vessels authorized by the act of March third, eighteen hundred and eighty-five; of the vessels authorized by sections one and two of the act of August third, eighteen hundred and eighty six; of the unfinished monitors mentioned in section three of the same act; of the Miantonomoh; of the vessels authorized by the act approved March third, eighteen hundred and eighty seven; of the vessels authorized by the act approved September seventh, eighteen hundred and eighty-eight, and of those authorized by the act of March second, eighteen hundred and eighty-nine, and the armament with modern batteries of a gunnery training ship, two million five hundred thousand dollars.

Armor and  
armament.

**GUN PLANT, NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA:** For completion of the gun factory, one hundred and forty five thousand dollars.

Gun Factory.

**CONSTRUCTION AND STEAM MACHINERY:** Towards the construction and completion of the new vessels heretofore and herein authorized by Congress, with their engines, boilers and machinery, and for the payment of

Construction  
and machinery.

premiums for increased speed or horse-power under contracts now existing and to be made under this and other acts for increase of the Navy, five million four hundred and seventy-five thousand dollars.

Total for increase of the Navy, eight million one hundred and twenty thousand dollars.

Approved, June 30, 1890.

FIFTY-FIRST CONGRESS, SECOND SESSION—MARCH 2, 1891.

[PUBLIC—No. 110.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-two, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

\* \* \* \* \*

BUREAU OF NAVIGATION.

\* \* \* \* \*

Provision for telegraphic cable surveys: "To enable the President to cause careful soundings to be made between San Francisco, California, and Honolulu, in the Kingdom of the Hawaiian Islands, for the purpose of determining the practicability of the laying of a telegraphic cable between those points, twenty-five thousand dollars, or so much thereof as may be necessary, and the President is hereby authorized to direct the use of any vessel or vessels belonging to United States in making such survey."

\* \* \* \* \*

BUREAU OF ORDNANCE.

\* \* \* \* \*

New magazine: For new magazine for naval purposes at Sitka or Juneau, Alaska, ten thousand dollars.

Craney Island Magazine: For dredging on the channel to Craney Island Magazine, Norfolk Harbor, and for repairs to the wharves and buildings, fifteen thousand dollars.

Purchase of floating or tug crane: For the purchase of a floating or tug crane for use in the transportation of material at the New York navy yard, thirty thousand dollars.

Reserve supply of projectiles: For reserve supply of projectiles for vessels in commission, thirty thousand dollars.

\* \* \* \* \*

Armor tests: For the purpose of making ballistic tests and experiments in the development of American armor the Secretary of the Navy is hereby authorized to use one hundred thousand dollars or so much thereof as may be necessary out of the appropriation of one million

Telegraph cable.

New magazine, Alaska.

Craney Island.

Floating crane.

Projectiles.

Armor tests.



dollars appropriated by joint resolution of September twenty-ninth, eighteen hundred and ninety, for the purchase of nickel ore or nickel matte.

Naval Militia. Naval militia: For arms and equipment connected therewith for naval militia of various States under such regulations as the Secretary of the Navy may prescribe, twenty-five thousand dollars.

\* \* \* \* \*

#### BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

#### PUBLIC WORKS—NAVY YARDS AND STATIONS.

Portsmouth. Navy yard, Portsmouth, New Hampshire: For constructing reservoir and perfecting water system, twenty-two thousand two hundred and eighty-seven dollars.

Boston. Navy Yard, Boston, Massachusetts: for constructing steel shears, twelve thousand dollars; extensions and renewals in water-pipe system, and repairs of wharves, five thousand dollars.

Brooklyn. Navy Yard, Brooklyn, New York: For quay wall on cob dock, one hundred thousand dollars; paving and sewers around new dry-dock, twenty-one thousand eight hundred and thirty-five dollars; for one crane, five thousand dollars.

League Island. Navy Yard, League Island, Pennsylvania: For west dry dock pier, eighty-seven thousand four hundred and forty-one dollars and sixty-two cents; for rip rap for protection wall, nine thousand one hundred and fifty dollars; for continuation of light retaining wall, twenty-five thousand dollars; for sewers and flushing tank, five thousand six hundred and eighty-five dollars.

Washington. Navy-Yard, Washington, District of Columbia: For extension of railroad tracks, three thousand five hundred and sixty-seven dollars and fifty cents; for sanitary improvements for Smith quadrangle, five thousand dollars; converting paint shop into two officers' quarters, eight thousand two hundred and twenty dollars and fifty-nine cents, the total cost not to exceed the sum hereby appropriated; for dredging and filling in, five thousand dollars.

Norfolk. Navy-Yard, Norfolk, Virginia: For extending machine shop for steam engineering, four thousand one hundred and sixty-six dollars; for extension of quay wall, twenty-five thousand dollars.

Port Royal. Coaling Station, Port Royal, South Carolina: To continue the construction of a timber dry-dock at the coaling station at Port Royal, South Carolina, and for the work provided for by the naval appropriation act, approved June thirtieth, eighteen hundred and ninety, one hundred and fifty thousand dollars.

Dry-Dock on Puget Sound: That the Secretary of the Navy be, and he hereby is, authorized to acquire for the purposes of a dry-dock a tract of land not exceeding two hundred acres in extent on Puget Sound, at Port Orchard in the county of Kitsap, State of Washington, at such point as he may select, and a sum not exceeding ten thousand dollars to pay for said land is hereby appropriated; and the Secretary of the Navy is authorized to have constructed by contract, after public advertisement upon said land so selected, for naval and commercial purposes, a dry-dock, to be not less than six hundred feet in length, not less than seventy feet in width at bottom of entrance, and capable of admitting vessels drawing thirty feet of water; the cost of said dry-dock not to exceed seven hundred thousand dollars, of which the sum of two hundred thousand dollars is hereby appropriated for use during the fiscal year ending June thirtieth, eighteen hundred and ninety-two.

Dry-dock  
site.  
Port Or-  
chard.

And the Secretary of the Navy be, and he is hereby, empowered and directed to purchase said tract of land at such price as he may deem reasonable; and where he is unable to purchase the same at such price or where the owner or owners of any of said tract of land may be unable for any reason to vest by voluntary conveyance a complete and valid title to any part of said tract of land hereinbefore described, then the same shall be acquired by condemnation, agreeably to the act of Congress of August first, eighteen hundred and eighty-eight, relative to such condemnations, and to the laws of the State of Washington for the condemnation of land for public uses in that State: *Provided*, That no money to be appropriated for said dry dock shall be available until a valid title to the land constituting the site of the same is vested in the United States, nor until the State of Washington shall cede to the United States exclusive jurisdiction over said tract of land during the time the United States may be or remain the owner thereof for all purposes except the administration of the criminal laws of said State and the service of any civil process thereon.

Purchase of  
land.

Navy-Yard, Mare Island, California: For widening gauge of railroad track, six thousand five hundred dollars; for roads, five thousand dollars; extension of quay wall, twenty-five thousand dollars; for removal and reconstruction of return wall, sectional dry-dock basin, eleven thousand two hundred and eighty-five dollars and twenty-four cents; one twelve-ton crane, four thousand dollars.

Mare Island.

Launching Ways and Slips at New York and Norfolk Navy Yards: For launching ways and granite slips, thirteen thousand dollars, to be made immediately available.

Launching  
ways and slips.

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New Naval  
Observatory.

For bookcases, railing, shelving, standards, etc., eight thousand four hundred and sixty-four dollars; for transporting instruments, apparatus, piers, books, and other articles from the old to the new Naval Observatory, two thousand seven hundred and sixty dollars; for repairing and remounting great equatorial (twenty-six inch) and its accessories, great equatorial building, including observers' elevating platform, thirty-two thousand and six hundred dollars; for repairing and remounting meridian circle and its accessories, east transit building, six thousand one hundred and sixty dollars; for repairing and remounting transit instrument and its accessories, south transit rooms, six hundred dollars; for repairing and remounting primevertical transit instrument, two thousand five hundred and ten dollars; for furniture and gas or electric fixtures for new naval observatory, for main building, great equatorial building, clock buildings, four transit houses, boiler house, and magnetic building, thirteen thousand six hundred and twenty-five dollars; for inclosing grounds, three thousand and sixty-six dollars; for the construction of well tank, cistern, and for purchasing and placing pump, boiler, ejectors, and pipes for water supply, ten thousand nine hundred and twenty-five dollars; for installation of electric plant, eighteen thousand one hundred and seventy-nine dollars; for one stand-ard clock, five hundred and fifty dollars; for clock room fittings, including clocks, reflectors, piers, instruments, and all accessories, complete, five thousand two hundred and fifty dollars; for official residence of the superintendent, twenty thousand dollars; for grading, macadamizing, and guttering roads around new naval observatory building, twelve thousand dollars.

Total for Naval Observatory, one hundred thirty-six thousand six hundred and eighty-nine dollars.

## BUREAU OF MEDICINE AND SURGERY.

Residence for  
medical direc-  
tor.

\* \* \* \* \*  
For medical director's residence, naval hospital, Mare Island, California: "For construction of a residence for the medical director in charge of naval hospital, Mare Island, California, in full for all expenses of erecting and making necessary improvements about the grounds, fifteen thousand five hundred dollars."

## BUREAU OF PROVISIONS AND CLOTHING.

PROVISIONS, NAVY, \* \* \*. For "all supplies hereafter purchased with moneys appropriated for any branch of the naval establishment shall be purchased, classified, and issued for consumption or use subject to the provisions contained in the act making appropriations for the



naval service, approved June thirtieth, eighteen hundred and ninety, in reference to supplies therein provided for and on hand."

\* \* \* \* \*

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: \* \* \* "Provided, The Secretary of the Navy shall incorporate in his next annual report a statement showing the name and tonnage of each vessel that has been completed since March four, eighteen hundred and eighty-five, when authorized to be built, when begun, and when commissioned, its entire cost of construction, including armor, armament, equipment, and premiums, and its costs for repairs since completion; and, also, a statement showing the name and tonnage of each vessel not completed, when authorized to be built, when begun, the probable date of its completion, the amount expended upon its construction, including armor, armament, and equipment and the estimated amount required for its completion, including armor, armament, equipment, and premiums."

Secretary of the Navy to report on vessels.

\* \* \* \* \*

NAVAL ACADEMY.

\* \* \* \* \*

For furnishing and fitting gymnasium, five thousand dollars, which sum shall be immediately available.

Gymnasium.

\* \* \* \* \*

For repairs to Santee's wharf, four thousand dollars, which sum shall be immediately available.

Santee wharf.

For continuing the grading and improvement of the property condemned under act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety, and the adjacent ground, and for the improvement of the water front thereof, fifteen thousand dollars, which sum shall be immediately available.

Grading.

\* \* \* \* \*

MARINE CORPS.

\* \* \* \* \*

PROVISIONS, MARINE CORPS: \* \* \*. "No law shall be construed to entitle enlisted marines on shore duty to any rations or commutation therefor other than such as now are or may hereafter be allowed enlisted men in the army."

Rations.

\* \* \* \* \*

For purchase of one Gatling revolving gun complete and one Hotchkiss revolving gun complete, of service type and caliber, \* \* \*.

Gatling gun.  
Hotchkiss gun.

- Mare Island. For alterations, and repair of marine barracks at Mare Island, California, \* \* \*.
- Barracks. For introducing electric light at Marine Barracks and naval prison at Mare Island, California, \* \* \*.

## INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval establishment of the United States the President is hereby authorized to have constructed by contract one protected cruiser of about seven thousand three hundred tons displacement, at a cost, exclusive of armament, not to exceed two million seven hundred and fifty thousand dollars, to have a minimum speed of not less than twenty-one knots, and in the construction of said vessel all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," as to materials for said vessel, its engines, boilers, and machinery, the contract under which it is built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contract, shall be observed and followed, and said vessel shall be built in compliance with the terms of said act, save that in all its parts said vessel shall be of domestic manufacture. And in the contract for the construction thereof such provisions for minimum speed and for premiums for increased speed and penalties for deficient speed may be made subject to the terms of this bill, as in the discretion of the Secretary of the Navy may be deemed advisable; and if the Secretary of the Navy shall be unable to contract at reasonable prices for the construction of said vessel, then he may build the same in such navy yard as he may designate.

And so much of the act approved March second, eighteen hundred and eighty-nine, as authorized the construction by contract of one armored steel cruising monitor of not less than three thousand tons displacement, at a cost not exceeding one million five hundred thousand dollars exclusive of armament and any premium for increased speed, is hereby repealed.

## UNDER THE BUREAU OF ORDNANCE.

Armor and armament. **ARMAMENT:** Towards the armament and armor of domestic manufacture, for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of the vessels authorized by section three of the act approved March third, eighteen hundred and eighty-seven; of the vessels authorized by the act approved September seventh, eighteen hundred and eighty-eight; of the vessels authorized by the act of March second, eighteen hundred and eighty-nine; of those authorized by the act of June thirtieth, eighteen hundred and ninety, and this act, four million dollars.

UNDER THE BUREAU OF EQUIPMENT.

EQUIPMENT OF NEW SHIPS OF THE NAVY: Supplying anchors, chain cables, galleys and fixtures, standing and running rigging, sails, awnings, and other canvas work, and other articles comprising the equipment outfit of ships, according to their type, namely: Protected cruisers numbered seven, eight, nine, ten, eleven, and twelve; the Monterey; gunboats numbered five and six; the harbor-defense vessel known as the Ammen ram; ironclads Puritan, Terror, Amphitrite, and Monadnock; the steel practice cruiser provided for by the act of September seventh, eighteen hundred and eighty-eight, and the torpedo cruiser and torpedo boat authorized by the act of June thirtieth, eighteen hundred and ninety, four hundred thousand dollars.

Equipment.

UNDER THE BUREAU OF YARDS AND DOCKS.

TRAVELING CRANES: For two traveling cranes of forty tons capacity, for dry-docks at New York and Norfolk, one hundred thousand dollars, to be made immediately available.

Traveling cranes.

CONSTRUCTION AND STEAM MACHINERY: Towards the construction and completion of the new vessels heretofore and herein authorized by Congress, with their engines, boilers, and machinery, and for the payment of premiums for increased speed or horse power under contracts now existing and to be made under this and other acts for increase of the Navy, twelve million one hundred and seven thousand dollars.

Completion of vessels authorized.

\* \* \* *Provided*, That no contract for the purchase of gun steel or armor for the Navy shall hereafter be made until the subject matter of the same shall have been submitted to public competition by the Department by advertisement.

Guns, or armor, purchase of, after advertisement.

Approved, March 2, 1891.





## FIFTY-SECOND CONGRESS, FIRST SESSION—JULY 19, 1892.

AN ACT Making appropriations for the Naval Service for the fiscal year ending June thirtieth, eighteen hundred and ninety-three, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

### PAY OF THE NAVY.

\* \* \* \* \*

It is provided "every naval cadet or cadet engineer who has heretofore graduated or may hereafter graduate from the Naval Academy, and who has been or may hereafter be commissioned within six months after such graduation an officer in the Navy or Marine Corps of the United States, under the laws appointing such graduates to the Navy or Marine Corps, shall be allowed the pay of the grade in which he may be so commissioned from the time fixed as the date of the completion of the academic course of six years by the members of his class to the date of his qualification and acceptance of his commission."

Pay of officers, commencement of.

\* \* \* \* \*

### BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: \* \* \*

For "maintenance of new proving ground, five thousand dollars; boiler and engine for new proving ground, fifteen thousand dollars; construction of a telegraph line from the navy-yard, Washington, District of Columbia, to the naval ordnance proving ground at Indian Head, Maryland, and instruments for same, five thousand dollars; in all, one hundred and eighty thousand dollars.

Proving ground.

"ORDNANCE EXPERIMENTS AND TESTS: For experimentation, making tests and development of torpedoes, projectiles, submarine guns, and other instruments of submarine warfare, and American armor, and for the use of nickel in armor, the Secretary of the Navy is hereby authorized to use one hundred thousand dollars, or so much thereof as may be necessary, to be taken from the appropriation of one million dollars appropriated by joint resolution of September twenty-ninth, eighteen hundred and ninety, for the purchase of nickel ore or nickel matte.

Experiments and tests of ordnance.

"To enable the Secretary of the Navy in his discretion to manufacture at the Washington navy-yard, after the approval of designs to be furnished by the inventor, one eight inch, fifty caliber, high-power steel rifle, wire-wrapped or built up and hooped, chambered to load with

Manufacture of guns, navy yard, Washington.

a primary and main charge insuring a progressive burning of the charge, and firing a high explosive projectile with great velocity, and to test the same; and for such purpose the sum of fifty thousand dollars which was appropriated for testing three or more rapid-fire, rapid twist one pounder, breech-loading guns and an equal number of the same type of three pounder guns and an equal number of the same type of thirty-two pounder guns, in the act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety, and for other purposes, may be used; the Chief of Ordnance of the Navy Department, under the inventor's designs, shall prepare necessary computations, plans, specifications, and working drawings of said gun and its ammunition, the expenses of which shall be paid out of the fifty thousand dollars herein provided for, and no part of such money shall be expended until the owners of the patents for said eight inch rifle and its ammunition shall contract, at such price as shall be satisfactory to the Secretary of the Navy, for the exclusive right on the part of the Government to manufacture by contract or otherwise such gun and ammunition without the payment of any royalty on the same, the option of the Government to make such contract to be exercised within a period to be fixed by said contract."

\* \* \* \* \*

#### BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

#### PUBLIC WORKS—NAVY-YARDS AND STATIONS.

**Portsmouth.** NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: For coal pocket for the storage of coal, six thousand five hundred dollars; for construction of boiler house for buildings numbered forty-five and forty-six, seven thousand dollars; in all, thirteen thousand five hundred dollars.

**Brooklyn.** NAVY-YARD, BROOKLYN, NEW YORK: For quay wall extension of cob dock, thirty thousand dollars; for opening a gate into the navy-yard at Sand's Street, five thousand dollars; in all, thirty-five thousand dollars.

**League Island.** NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For extension of protection wall, twenty thousand dollars; for extension of light retaining wall, fifteen thousand dollars; for ripraps, Broad Street wharf, six thousand five hundred dollars; for branch sewer, two thousand one hundred dollars; in all, forty-three thousand six hundred dollars.

**Washington.** NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For repair of breech-mechanism shop, fifteen thousand dollars.

**Norfolk.** NAVY-YARD, NORFOLK, VIRGINIA: For floating gate for granite dock, twenty-five thousand dollars; for coal shed,



six thousand five hundred dollars; in all, thirty-one thousand five hundred dollars.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA.—For the completion of dry dock at Port Royal, South Carolina, change of location of naval wharf, erection of office building, water-closet, pay of superintendents and inspectors, necessary dredging, incidental expenses, unforeseen emergencies and contingent expenses, and for protection to dry-dock entrance and wharf, one hundred and fifty thousand dollars; for officers' quarters, five thousand dollars; telephone line, one thousand five hundred dollars; in all, one hundred and fifty-six thousand five hundred dollars.

Port Royal.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For one twelve-ton pillar wharf-crane, three thousand eight hundred dollars; for locomotive for yard use, four thousand dollars; for replanking wharves, three thousand dollars; for oil house for general storekeeper, eight thousand dollars; in all, eighteen thousand eight hundred dollars.

Mare Island.

\* \* \* \* \*  
For approaches and grounds: Observatory lane: Grading, filling, building culvert and retaining wall, and laying roadbed from Tennallytown road to new Naval Observatory, two thousand five hundred dollars; for asphalted road and footways, one thousand five hundred dollars; in all, four thousand dollars.

Naval Observatory.

New meridian circle: For one six-inch meridian circle, with mounting collimators, reflection apparatus, reversing carriage, personal equation apparatus, illumination, and all accessories, complete, ten thousand dollars.

Removing Magnetic Observatory: For removal of magnetic buildings and instruments from the old to the new observatory, and construction of new basements, three thousand five hundred dollars.

\* \* \* \* \*

Provision for the "Bureau of Provisions and Clothing, hereafter to be called

# "BUREAU OF SUPPLIES AND ACCOUNTS.

"PROVISIONS, NAVY, BUREAU OF SUPPLIES AND ACCOUNTS: For \* \* \* subsistence of officers and men when unavoidably detained or absent from vessels to which attached under orders (during which subsistence rations to be stopped on board ship and no credit for commutation therefor to be given) \* \* \*. All laws now in force relating to the Bureau of Provisions and Clothing shall now and hereafter apply to the Bureau of Supplies and Accounts.

Bureau of Supplies and Accounts created.

"And the provisions of section two of the naval appropriation act approved March third, eighteen hundred and eighty-three, shall be so modified that hereafter orders

Officers on shore duty.

of the Secretary of the Navy employing officers on shore duty shall state that such employment is required by the public interests, but need not state the duration of such service."

## BUREAU OF CONSTRUCTION AND REPAIR.

	*	*	*	*	*
Wellman roller bushings.	Four	thousand	dollars	of	the
	construction	and	repair	of	vessels
	"may	be	used	to	purchase
	the	right	to	manufacture	and
	use	the	'	Wellman	improved
	bushings	for	sheaves,	patented	under
	letters	patent	num-	bered	three
	hundred	and	three	thousand	seven
	hundred	and	seventy	of	August
	nineteenth,	eighteen	hundred	and	eighty-four:
	* * *				
Hartford. Kearsarge.	For	"the	necessary	repairs	and
	preservation	of	the	United	States
	ships	Hartford	and	Kearsarge	* * *

## BUREAU OF STEAM ENGINEERING.

	*	*	*	*	*
League Island.	Navy-yard.	League	Island,	Pennsylvania:	For
	neces-	sary	tools	and	machinery
	to	put	the	yard	in
	condition	to	do	ordinary	repair
	work	* * *			

## MARINE CORPS.

	*	*	*	*	*
Marine barracks, Port Royal.	For	erection	of	a	building
	for	marine	barracks	at	naval
	station,	Port	Royal,	South	Carolina;
	appropriation	to	be	immediately	available,
	three	thousand	dollars;	and	no
	part	of	this	appropriation	shall
	be	used	until	a	contract
	shall	have	been	made	for
	the	completion	of	said	barracks
	within	the	same.		
Mare Island.	For	sanitary	improvements	at	the
	Marine	barracks,	navy-yard,	Mare	Island,
	California,	five	thousand	two	hundred
	and	twelve	dollars.		
	*	*	*	*	*

Naval review, World's Columbian Exposition.	INTERNATIONAL NAVAL RENDEZVOUS AND REVIEW:	Toward
	the	expenses
	of	the
	international	naval
	rendezvous	and
	review,	as
	provided	in
	section	eight
	of	the
	act	creating
	the	World's
	Columbian	Exposition,
	including	pay
	and	drill
	of	seamen
	temporarily	enlisted
	and	used
	for	said
	review	in
	addition	to
	the	regular
	number	of
	enlisted	men
	and	including
	the	construction
	by	the
	Secretary	of
	the	Navy
	of	reproductions
	in	Spain
	of	two
	of	the
	caravels,	the
	Pinta	and
	the	Nina,
	which	composed
	the	fleet
	of	Columbus
	on	his
	voyage	of
	discovery,	to
	be	taken
	after	the
	review	to
	Chicago	as
	a	part
	of	the
	Government	ex-
	hibit,	fifty
	thousand	dollars.

INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval Establishment of the United States, the President is hereby authorized to have constructed, by contract, one armored cruiser of about eight thousand tons displacement of the general type of armored cruiser numbered two (New York), to cost, exclusive of armament, not more than three million five hundred thousand dollars, excluding any premium that may be paid for increased speed and the cost of armament. The contract for the construction of said cruiser shall contain provisions to the effect that the contractor guarantees that when completed and tested for speed, under conditions to be prescribed by the Navy Department, it shall exhibit a speed of at least twenty knots per hour; and for every quarter knot of speed so exhibited above said guaranteed speed the contractor shall receive a premium over and above the contract price of fifty-thousand dollars; and for every quarter knot that such vessel fails of reaching said guaranteed speed there shall be deducted from the contract price the sum of fifty thousand dollars; In the construction of said vessel all the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," as to material for said vessel, its engines, boilers, and machinery, the contract under which it is built, the notice of and proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contract, shall be observed and followed, and said vessel shall be built in compliance with the terms of said act, save that in all its parts said vessel shall be of domestic manufacture. If the Secretary of the Navy shall be unable to contract at reasonable prices for the building of said vessel, then he may build such vessel in such navy-yard as he may designate.

One armored  
cruiser.

Speed.

Also one sea-going coast-line battle ship, designed to carry the heaviest armor and most powerful ordnance, with a displacement of about nine thousand tons, to have the highest practicable speed for vessels of its class, and to cost, exclusive of armament and of any premiums that may be paid for increased speed, not exceeding four million dollars.

One battle-  
ship.

And in the construction of said battle ship, the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," shall be observed and followed in the same manner that the provisions of said act are applied to the construction of the armored cruiser herein authorized; and in the contracts for the construction of said battle ship, such provisions for minimum speed and for premiums for increased speed and penalties for deficient



speed may be made, subject to the terms of this act, as in the discretion of the Secretary of the Navy may be deemed advisable.

#### UNDER THE BUREAU OF ORDNANCE.

Armor and  
armament.

**ARMAMENT AND ARMOR:** Toward the armament and armor of domestic manufacture for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of the vessels authorized by section three of the act approved March third, eighteen hundred and eighty-seven; of the vessels authorized by the act approved September seventh, eighteen hundred and eighty-eight; of the vessels authorized by the act of March second, eighteen hundred and eighty-nine; of those authorized by the acts of June thirtieth, eighteen hundred and ninety, March second, eighteen hundred and ninety-one, and this act, including the purchase and installation of new machinery for the breech-mechanism shop at the navy-yard, Washington, District of Columbia, and torpedo outfits for the Atlanta, Boston, and Chicago, two million dollars.

#### UNDER THE BUREAU OF EQUIPMENT.

Equipment.

**EQUIPMENT OF NEW VESSELS OF THE NAVY:** Toward the completion of the equipment outfit of the new vessels heretofore authorized by Congress, four hundred thousand dollars.

#### UNDER THE BUREAU OF YARDS AND DOCKS.

**TRAVELING CRANES:** For one traveling crane of forty tons capacity, for dry docks at Mare Island, California, navy-yard, sixty thousand dollars.

Completion  
of vessels.

**CONSTRUCTION AND STEAM MACHINERY:** Toward the construction and completion of the new vessels heretofore and herein authorized by Congress, with their engines, boilers and machinery, and for the payment of premiums for increased speed or horse power under contracts now existing and to be made under this and other acts for increase of the Navy, seven million dollars: *Provided*, That no contract for the purchase of gun steel or armor for the Navy shall hereafter be made until the subject-matter of the same shall have been submitted to public competition by the Department by advertisement.

Contracts  
after public  
competition.

Approved, July 19, 1892.

# FIFTY-SECOND CONGRESS, SECOND SESSION—MARCH 3, 1893.

[PUBLIC—No. 128.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-four, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

## PAY OF THE NAVY.

\* \* \* \* \*

Provision for any naval constructor having the rank of captain, commander, or lieutenant commander to be eligible as chief of the Bureau of Construction and Repair.

Chief of Bureau Construction and Repair, eligibility for.

\* \* \* \* \*

## PAY MISCELLANEOUS.

\* \* \* \* \*

“Hereafter the accounting officers of the Treasury are hereby authorized to credit appropriation ‘Pay miscellaneous,’ with all receipts for interest on the account of the Navy Department with the London fiscal agents, premiums arising from sales of bills of exchange, and from any appreciation in the value of foreign coin. And fraudulent enlistment, and the receipt of any pay or allowance thereunder, is hereby declared an offense against naval discipline and made punishable by general court-martial, under article twenty-two of the articles for the government of the Navy; but this provision shall not take effect until sixty days after the passage of this act.”

London fiscal agents; allowance to.

Fraudulent enlistment.

\* \* \* \* \*

## BUREAU OF NAVIGATION.

That an officer of the Navy not below the rank of commander may be detailed as assistant to the Chief of the Bureau of Navigation in the Navy Department, and such officer shall receive the highest pay of his grade, and, in case of the death, resignation, absence, or sickness of the Chief of the Bureau, shall, unless otherwise directed by the President, as provided by section one hundred and seventy-nine of the Revised Statutes, perform the duties of such Chief until his successor is appointed or such absence or sickness shall cease.

Assistant to Chief of Bureau of Navigation.

\* \* \* \* \*

Purchase of discharge. *Provided*, "In time of peace the President may in his discretion, and under such rules and upon such conditions as he may prescribe, permit any enlisted man to purchase his discharge from the Navy or the Marine Corps, the amounts received therefrom to be covered into the Treasury."

Coasters Island. NAVAL TRAINING STATION, COASTERS HARBOR ISLAND, RHODE ISLAND (FOR APPRENTICES): \* \* \*

"For building retaining wall, from material on the island, at a price not to exceed three dollars per foot, and foundation, two thousand five hundred dollars;

"For two boilers and extension of boiler house, with water tank and feed-water tank, seven thousand dollars.

"For purchase of one dynamo, fifty horse power, and extension of electric plant for training station and War College and Torpedo School, four thousand five hundred;"

\* \* \* \* \*

#### BUREAU OF ORDNANCE.

\* \* \* \* \*

One submarine. For submarine torpedo boat: For building a submarine torpedo boat and conducting experiments therewith, two hundred thousand dollars, to be taken from the balances of appropriations on hand July first, eighteen hundred and ninety-three, to the credit of armor and armament of vessels heretofore authorized.

\* \* \* \* \*

#### PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Portsmouth. NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: For construction of boiler house for building number ten, fifteen thousand dollars.

Boston. NAVY-YARD, BOSTON, MASSACHUSETTS: For repairs to wharf, twenty thousand dollars.

Brooklyn. NAVY-YARD, BROOKLYN, NEW YORK: For completing gateway on Sands Street, paving and grading streets in connection with same, extension of railroad tracks, continuation of quay wall, repairs to buildings, and for other improvements at the navy-yard, Brooklyn, New York, three hundred thousand dollars, to be paid from proceeds of sale of portion of Brooklyn Navy-yard under act of Congress, approved December twenty-second, eighteen hundred and ninety-two.

League Island. NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For continuation of sea wall, twenty thousand dollars; one pair shear legs, eighteen thousand dollars; toward the construction of east dry dock pier, as estimated for by the Bureau of Yards and Docks, forty thousand dollars; the total cost for the completion of the said pier not to exceed



the sum of eighty thousand dollars; in all, seventy-eight thousand dollars.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For new timber shed for ordnance purposes, seven thousand five hundred dollars; for conversion of mold-loft building into a forge shop, eight thousand dollars; for reconstruction of forge shop with foundations for crane columns, ten thousand dollars; for one wrecking car with fifteen-ton crane attachment, two thousand five hundred dollars; for installation of electric lights in breech-mechanism shop, two thousand five hundred dollars; in all, thirty thousand five hundred dollars.

Washington.

NAVY-YARD, NORFOLK, VIRGINIA: For extension of quay wall, fifteen thousand dollars; for extension of water system, eight thousand dollars; in all, twenty-three thousand dollars.

Norfolk.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: For sewerage, eight hundred and forty-six dollars; for officers' quarters, seven thousand dollars; for boathouse, one thousand dollars; for barn, seven hundred and fifty dollars; and for completing officers' quarters, heretofore authorized, two thousand five hundred dollars; in all, twelve thousand and ninety-six dollars.

Port Royal.

DRY DOCK, ALGIERS, LOUISIANA: Toward the establishment of a dry dock on the Government reservation, near Algiers, Louisiana; for plans and specifications, and for the acquisition of such additional land as may be necessary in the discretion of the Secretary of the Navy, in accordance with the recommendations of two Commissions appointed by the President under the provisions of an act approved September seventh, eighteen hundred and eighty-eight, and the act approved June thirtieth, eighteen hundred and ninety, respectively, twenty-five thousand dollars.

Dry-dock,  
Algiers, La.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For dredging, twenty thousand dollars; for dry-air closet, four thousand dollars; for new carriage house and dirt stables, for yards and docks stables, three thousand dollars; for changes in steam-engineering buildings, four thousand seven hundred and ninety-seven dollars; for shed for bending slabs, rolls, and furnaces, six thousand three hundred and eighty-one dollars; for engine house for engine for construction and repair, three thousand four hundred and seventy dollars; in all, forty-one thousand six hundred and forty-eight dollars.

Mare Island.

DRY DOCK, PUGET SOUND, WASHINGTON: To continue the construction of the dry dock at Puget Sound, authorized by the act approved March second, eighteen hundred and ninety-one, including approaches to dry dock, rent of quarters for civil engineer and inspector, pay of superintendents, inspectors, and draftsmen, necessary dredging, and incidental expenses, two hundred and twenty-five thousand dollars.

Dry-dock,  
Puget Sound.

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\*

Naval Academy.

Buildings and grounds: For one new boiler house and fittings, to be immediately available, twenty-six thousand dollars; for the erection of two double houses for officers' quarters, thirty thousand dollars; in all, fifty-six thousand dollars.

Naval Observatory.

For grounds and roads: For continuing grading, extending roads and paths, clearing grounds of New Naval Observatory, and filling ravine contiguous to boiler house, to be immediately available, twelve thousand dollars.

Stationary fire engine: For one stationary fire engine, with pipes, connections, and frame shelter, four thousand five hundred dollars; in all sixteen thousand five hundred dollars.

\* \* \* \*

#### BUREAU OF SUPPLIES AND ACCOUNTS.

\* \* \* \*

Naval supply fund created.

"And the Secretary of the Treasury is hereby authorized and directed to cause general account of advances to be charged with the sum of two hundred thousand dollars, which amount shall be carried to the credit of a permanent naval-supply fund to be used under the direction of the Secretary of the Navy in the purchase of ordinary commercial supplies for the naval service, and to be reimbursed from the proper naval appropriations whenever the supplies purchased under said fund are issued for use."

\* \* \* \*

Naval supplies, completing consolidation of.

For consolidating naval supplies: "For completion of the work of arranging, classifying, consolidating, and cataloguing supplies of the Navy, \* \* \*."

"For expenses (not properly chargeable to other specific appropriations) of handling, shipping, and transportation from one station to another of the stores which under the law have ceased to belong to particular bureaus and have become general supplies for use of the Navy, \* \* \*."

#### MARINE CORPS.

\* \* \* \*

Marine barracks.

"To complete the erection of barracks at naval station, Port Royal, South Carolina, appropriation to be immediately available, two thousand six hundred dollars.

"For erection of a marine barracks on Coaster Harbor Island, Newport, Rhode Island, fifteen thousand dollars: *Provided*, That no part of this appropriation shall be used until a contract shall have been made for the completion of said barracks within the same."

\* \* \* \*

INTERNATIONAL NAVAL RENDEZVOUS AND REVIEW: For the expenses of the International Rendezvous and Review, including assembling and preparation of ships and such temporary increase of the force of enlisted men and marines as may be required, and such other necessary expenses as the Secretary of the Navy may authorize, to be immediately available, three hundred thousand dollars, or so much thereof as may be necessary; and the number of persons who may at one time be enlisted into the Navy of the United States, including seamen, ordinary seamen, landsmen, mechanics, firemen, and coal heavers, and including one thousand five hundred apprentices and boys, hereby authorized to be enlisted annually, shall not exceed nine thousand. And the Secretary of the Navy be, and he is hereby, authorized, empowered, and directed to define and establish suitable anchorage grounds in Hampton Roads and in New York harbor during the continuance of the naval rendezvous and review to be held in pursuance of the provisions of section eight of the act of Congress, approved April twenty-fifth, eighteen hundred and ninety, creating the World's Columbian Exposition; and the Secretary of the Navy is hereby further authorized to make such rules and regulations regarding the movements of all vessels in the roadstead and harbor named as may be necessary in order to insure the proper and orderly conduct of said naval rendezvous and review and provide for the safety of the vessels participating therein; and such rules and regulations when so issued and published shall have the force and effect of law.

Naval review,  
World's Colum-  
bian Exposi-  
tion.

#### INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval Establishment of the United States, the President is hereby authorized to have constructed, by contract, three light-draft protected gunboats of about one thousand two hundred tons displacement each, to cost, exclusive of armament, not more than four hundred thousand dollars each, excluding any premium that may be paid for increased speed and the cost of armament. The contract for the construction of either of said gunboats shall contain such provisions as to speed and premiums and penalties affected by speed as may in the judgment of the Secretary of the Navy may be deemed proper and fitting. In the construction of said vessels all the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," as to material for said vessels, their engines, boilers, and machinery, the contract under which they are built, the notice of and proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels

Three pro-  
tected gun-  
boats.



Proposals  
for.

shall be built in compliance with the terms of said act, save that in all their parts said vessel shall be of domestic manufacture: *Provided, however*, That the Secretary of the Navy shall not receive or consider bids from any party or parties not provided with a plant suitable to do the work: *And provided further*, That in awarding the contract for any one of these ships, the Secretary of the Navy shall award the contract at the price of the lowest bid to that one of the parties bidding on any such ship which in his judgment it is in the interest of the Government to have to do the work. If the Secretary of the Navy shall be unable to contract at reasonable prices for the building of said vessels, then he may build such vessels in such navy-yard as he may designate.

#### UNDER THE BUREAU OF ORDNANCE.

Armor and  
armament.

ARMAMENT AND ARMOR: All balances of appropriations on hand July first, eighteen hundred and ninety-three, to the credit of armor and armament of vessels heretofore authorized, shall be available toward the armor and armament of any of the vessels heretofore authorized as well as for the armor and armament of vessels authorized by this act, including the purchase of or payment for the right to use and employ such patented processes and to manufacture and use such patented devices, apparatus, models, and designs as may, in the judgment of the Secretary of the Navy, be necessary or desirable to increase the efficiency of the armor and armament for naval vessels: *Provided, always*, That such armor and armament shall be of domestic manufacture.

#### UNDER THE BUREAU OF EQUIPMENT.

Completion  
of vessels au-  
thorized.

EQUIPMENT OF NEW VESSELS OF THE NAVY: Toward the completion of the equipment outfit of the new vessels heretofore and herein authorized by Congress, two hundred and fifty thousand dollars.

CONSTRUCTION AND STEAM MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, six million eight hundred and seventy-five thousand dollars: *Provided*, That no contract for the purchase of gun steel or armor for the Navy shall hereafter be made until the subject-matter of the same shall have been submitted to public competition by the Department by advertisement.

Approved, March 3, 1893.

FIFTY-THIRD CONGRESS, SECOND SESSION—JULY 26, 1894.

[PUBLIC—No. 128.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-five, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

\* \* \* \* \*

It is provided "that all officers who have been appointed to any corps of the Navy after service in a different branch of the Navy, shall have all the benefits of their previous service in the same manner as if said appointments were a re-entry into the Navy. Any alien of the age of twenty-one years and upward who has enlisted or may enlist in the United States Navy or Marine Corps, and has served or may hereafter serve five consecutive years in the United States Navy or one enlistment in the United States Marine Corps, and has been or may hereafter be honorably discharged, shall be admitted to become a citizen of the United States upon his petition, without any previous declaration of his intention to become such; and the court admitting such alien shall, in addition to proof of good moral character, be satisfied by competent proof of such person's service in and honorable discharge from the United States Navy or Marine Corps: *Provided further*, That in order to fill vacancies that may exist in the grade of ensign in the Navy and in the grade of assistant engineer in the Navy, the Secretary of the Navy shall, in case the number of vacancies in either of such grades exceeds the number of naval cadets in the line division or in the engineer division of the class of naval cadets finally graduated in the year eighteen hundred and ninety-four, or in any one year thereafter, select a number equal to such excess from the final graduates of said class in the engineer division or in the line division, as the case may require, who shall be reported as proficient and be recommended thereto by the Academic Board, and such final graduates shall be appointed to fill vacancies in the grade of ensign in the Navy or in the grade of assistant engineer in the Navy, respectively, and the naval cadets so appointed to fill vacancies in such grades shall take rank in those respective grades next after the naval cadets appointed from the line division or from the engineer division, as the

Regulating  
rank on trans-  
fer.

Citizenship.

Ensign.

Assistant en-  
gineer.

\*

case may be, to fill vacancies in those grades, but among themselves according to merit as determined by the Academic Board."

\* \* \* \* \*

#### BUREAU OF NAVIGATION.

Ourdan and  
Kolb engraving  
machine.

Provision: "To enable the Secretary of the Navy in his discretion to purchase for the United States the Ourdan and Kolb letter-engraving machine and the right to manufacture and use, without the payment of royalty, others of said machine and any and every improvement or modification of said machine or applicable to said machine and referred to in the letters patent that have been or may hereafter be granted to the inventors of said machine or their assignees, twenty thousand dollars, or so much thereof as may be necessary."

#### BUREAU OF ORDNANCE.

\* \* \* \* \*

Quarters,  
Fort Norfolk,  
Va.

REPAIRS, BUREAU OF ORDNANCE: \* \* \* "For the addition of two rooms to the quarters of the inspectors of ordnance at Fort Norfolk, Virginia, \* \* \*."

Naval maga-  
zine, Mare Is-  
land, Cal.

"For construction and extension of buildings at the naval magazine, Mare Island, to replace those destroyed by the explosion on June thirteenth, eighteen hundred and ninety-two, seventeen thousand nine hundred dollars; \* \* \*."

Gun-cotton  
factory.

"For replacing the gun-cotton factory destroyed by fire July third, eighteen hundred and ninety-three, eleven thousand and seventy-seven dollars; \* \* \*."

Washington  
Navy Yard.

"GUN PLANT, WASHINGTON NAVY-YARD: For gun plant, navy-yard, Washington, District of Columbia: Erection of steam hammers, blast to furnace and forges, in the new forge shop at the Washington navy-yard (mold-loft building converted into forge shop, act of March third, eighteen hundred and ninety-three), six thousand dollars; for necessary machinery to equip the new machine shop at the Washington navy-yard (old forge shop reconstructed, act of March third, eighteen hundred and ninety-three), and for additional boiler power, one hundred and eleven thousand dollars; \* \* \*."

#### BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: For electric light plant, fifteen thousand dollars.



NAVY-YARD, BROOKLYN, NEW YORK: For caisson for granite dock, thirty-five thousand dollars; for renewing buildings numbered one hundred and fourteen, one hundred and fifteen, and one hundred and sixteen (C. and R.), seventy thousand dollars; for grading, paving, and laying of sewers, ten thousand dollars; for quay wall inside of Whitney basin, twenty-five thousand dollars; in all, one hundred and forty thousand dollars.

Brooklyn.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For continuation of sea wall, twenty thousand dollars; for completion of shear legs, eleven thousand nine hundred dollars; for an electric-light plant, ten thousand dollars; to complete east dry-dock pier, forty thousand dollars, to be immediately available; in all, eighty-one thousand nine hundred dollars.

League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For extension of yard wall through marsh, twenty-four thousand six hundred and ninety-three dollars; retaining wall for, and raising lower floor, store numbered ten, ten thousand nine hundred and fifteen dollars; locomotive wrecking crane, seven thousand five hundred dollars; completing conversion of mold-loft building into forge shop, six thousand nine hundred and thirty-six dollars; in all, fifty thousand and forty-four dollars.

Washington.

NAVY-YARD, NORFOLK, VIRGINIA: For extension of electric plant, eight thousand dollars; for sewers, drains, and water-closets in offices and shops, fifteen thousand dollars; for continuing quay wall, fifteen thousand dollars.

Norfolk.

For the construction of a fireproof storehouse to replace the storehouse building numbered fifteen, destroyed by fire in December, eighteen hundred and ninety-three, seventy-two thousand three hundred and sixty-five dollars and seventy-seven cents; in all, one hundred and ten thousand three hundred and sixty-five dollars and seventy-seven cents.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: For repairs to main wharf, eighteen thousand three hundred and sixty-eight dollars.

Port Royal.

For paying Justin McCarthy, contractor for building the dry dock at Port Royal, South Carolina, in full for loss and damage caused by the cyclone of August twenty-seventh and twenty-eighth, eighteen hundred and ninety-three, as ascertained by the Navy Department, eighteen thousand five hundred and twenty-one dollars and forty-two cents.

Dry dock at Algiers, Louisiana: For the purpose of completing the purchase of additional lands necessary for the establishment of a dry dock at Algiers, Louisiana, cost of advertising, plans and specifications for said dry dock, and expenses of judicial proceedings instituted for the condemnation of such additional lands, twenty-three thousand and twenty-five dollars and three cents.

Dry dock, Algiers.

Mare Island. NAVY-YARD, MARE ISLAND, CALIFORNIA: For extending yard railroads, eighteen thousand three hundred and thirty-two dollars; for navy-yard roads, five thousand dollars; for shed over galvanizing plant (C. and R.), three thousand seven hundred and fifty dollars; for cottage for electrician, one thousand nine hundred and thirty-seven dollars; in all, twenty-nine thousand and nineteen dollars.

For the construction of a steam tug at Mare Island Navy Yard, California, for the use of said yard, fifty thousand dollars.

Dry dock, Puget Sound. DRY DOCK, PUGET SOUND [NAVAL STATION], WASHINGTON: For artesian wells, three thousand five hundred dollars; to defray the expenses incurred prior to September sixteenth, eighteen hundred and ninety-two, in boring test wells, recording titles and deeds, perfecting titles, and in connection with the purchase of the Puget Sound dry dock, two thousand five hundred and seventy-nine dollars and eighty-three cents, the same having been expended by Lieutenant A. B. Wykoff, United States Navy, by direction of the Navy Department; in all, six thousand and seventy-nine dollars and eighty-three cents.

Key West. FOR NAVAL STATION, KEY WEST, FLORIDA: Coaling shed, ten thousand dollars

\* \* \* \* \*

Naval Academy. FOR BUILDINGS AND GROUNDS, NAVAL ACADEMY: Improvement of the water front of the Academy, ten thousand dollars.

For repairs to the gas-plant, five thousand dollars.

Annapolis streets, pavement of. To pave Hanover street from Maryland avenue to Wagner street, Wagner street from Hanover street to King George street, and King George street from College avenue to College or Graveyard Creek, in the city of Annapolis, Maryland, thirteen thousand dollars; and the Secretary of the Navy is hereby authorized to convey to the city of Annapolis, Maryland, the title to the bed of King George street from College avenue to College or Graveyard Creek.

Naval Observatory. FOR GROUNDS AND ROADS: For continuing grading, extending roads and paths, clearing and improving grounds of New Naval Observatory, and filling ravine contiguous to boiler house to Massachusetts avenue extended, twelve thousand dollars.

Instruments and accessories: Miscellaneous instruments and accessories, namely: One comet seeker, four hundred dollars; one standard mercurial barometer, four hundred dollars; one magnetic theodolite, eight hundred dollars; one dip circle, two hundred and fifty dollars; one earth inductor inclinometer, three hundred dollars; one galvanometer, eighty dollars; one telescope and scale, fifty dollars; one quadrant galvanometer, sixty-two dollars; one compensator, fourteen dollars; glass scales, one hun-

dred dollars; beam suspensions, one hundred dollars; one photographic register, one hundred and fifty dollars; one altazimuth instrument, mounted and protected from weather, six thousand five hundred dollars; eye-pieces and shades, two hundred and fifty dollars; one twelve-inch object-glass, two thousand dollars. For freight elevator, five hundred dollars; in all, twenty-three thousand nine hundred and fifty-six dollars.

BUREAU OF MEDICINE AND SURGERY.

\* \* \* \* \*

NAVAL HOSPITAL FUND: \* \* \* "For complete renovation of present hospital building at Brooklyn, New York, with a view of placing it in a perfect sanitary condition, namely: for sealing all the walls to remove existing disease germs and for antiseptically finishing and painting them, removing rotten wooden floors and replacing them by tile with slate sidings impervious to moisture, scraping and painting all doors and woodwork, refitting windows so as to be utilized in ventilation, remodeling cased wooden stairways and renewing them with iron or other suitable material, fifteen thousand dollars; for construction of one ward of modern design of sufficient size and cubic air space to accommodate at least fifty sick and wounded men, to be one story high with suitable elevation and to be constructed of the same material used for present hospital, twenty-five thousand dollars; for erection of retaining and boundary wall, fifteen thousand dollars; for kitchen, mess hall, and smoking room removed from basement and located apart, conveniently for inmates and attendants of main hospital building and proposed adjacent wards, three thousand five hundred dollars; for construction of an operating ward with all modern antiseptic appliances, one thousand five hundred dollars; for heating and fire apparatus enlarged and improved: Plumbing renewed, five thousand dollars; for elevator for transporting sick and wounded introduced, three thousand dollars; for apartment fitted in main building for chapel, reading room, and sailors' library, one thousand dollars; in all, sixty-nine thousand dollars, which sum shall be paid from that portion of the naval hospital fund accruing from the sale of naval hospital grounds to the city of Brooklyn, and placed to the credit of the naval hospital fund, in pursuance of the provisions of the Act approved July second, eighteen hundred and ninety."

Naval hospital, Brooklyn.

\* \* \* CONTINGENT, BUREAU OF MEDICINE AND SURGERY:

Provision for "department of instruction, sick quarters at Naval Academy and marine barracks, \* \* \* for necessary expenses incident to removal of museum of

Museum, removal of.



hygiene to old observatory building and grounds, and for such minor repairs on said building and grounds as may be required to properly receive and preserve the exhibits \* \* \*."

## BUREAU OF SUPPLIES AND ACCOUNTS.

Assistant to  
Chief of Bu-  
reau of Sup-  
plies and Ac-  
counts.

Provides "that an officer of the pay corps of the Navy may be detailed as assistant to the Chief of the Bureau of Supplies and Accounts in the Navy Department, and that such officer shall, in case of the death, resignation, absence, or sickness of the Chief of the Bureau, unless otherwise directed by the President, as provided by section one hundred and seventy-nine of the Revised Statutes, perform the duties of such chief until his successor is appointed or such absence or sickness shall cease."

\* \* \* \*

## BUREAU OF CONSTRUCTION AND REPAIR.

## CONSTRUCTION AND REPAIR OF VESSELS: \* \* \*

Constitution. For the repair of the ship Constitution, now lying at the Portsmouth navy-yard, in the State of New Hampshire, in order that it may be used as a training ship for the naval militia, eight thousand dollars.

Hartford. For the repairs of the hull of the United States ship Hartford, to be used as a training ship when repaired, one hundred and fifty thousand dollars.

\* \* \* \*

## BUREAU OF STEAM ENGINEERING.

\* \* \* \*

Chicago. STEAM MACHINERY (SPECIAL): To commence the construction of new machinery, engines, and boilers of United States steamship Chicago, two hundred thousand dollars.

Standish. To replace present machinery and boiler of tug Standish, at Naval Academy, with new machinery, fifteen thousand dollars.

Fortune. To replace present machinery and boiler of tug Fortune, at Norfolk, Virginia, with new machinery, fifteen thousand dollars.

\* \* \* \*

## NAVAL ACADEMY.

\* \* \* \*

Cadets, Naval  
Academy, ap-  
pointment of.

"*Provided*, That section fifteen hundred and fourteen, chapter five, title fifteen of the Revised Statutes of the United States, is hereby amended so that it shall hereafter read: The Secretary of the Navy shall, as soon after the fifth of March in each year as possible, notify in writ-

ing each Member and Delegate of the House of Representatives of any vacancy that may exist in his district. The nomination of a candidate to fill said vacancy shall be made upon the recommendation of the Member or Delegate, if such recommendation is made by the first day of July of that year; but if it is not made by that time, the Secretary of the Navy shall fill the vacancy by appointment of an actual resident of the district in which the vacancy exists, who shall have been for at least two years immediately preceding the date of his appointment an actual and bona fide resident of the district in which the vacancy exists and of the legal qualification under the law as now provided. The candidate allowed for the District of Columbia, and all the candidates appointed at large, shall be selected by the President.

"That every Member or Delegate of Congress whose district or territory is now unrepresented at the Naval Academy by a cadet who is not an actual resident of the district shall be permitted on or before the first day of September, eighteen hundred and ninety-four, to recommend a candidate for appointment as a cadet at the Naval Academy, and the Secretary of the Navy shall nominate such candidate for appointment to the Academy, subject to qualifications now prescribed by law. Such cadets when appointed to be in addition to the number of cadets now allowed, and the sum of five thousand five hundred dollars, or so much thereof as is necessary, is hereby appropriated for the additional number of cadets herein authorized."

\* \* \* \* \*

#### MARINE CORPS.

\* \* \* \* \*

FOR REPAIRS OF BARRACKS: \* \* \*.

"For alteration and repair of marine barracks and other public buildings, repair of parade ground, relaying walks and gas and water pipes at navy-yard, Brooklyn, New York, \* \* \*.

Marine barracks, Brooklyn.

"For the introduction of steam heat into the marine barracks and officers' quarters, navy-yard, Boston, Massachusetts, and incidental expenses connected therewith, \* \* \*."

Boston.

#### INCREASE OF THE NAVY.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of the vessels authorized by the act approved September seventh, eighteen hundred and eighty-eight; of the vessels authorized by the act approved March second, eighteen hundred and eighty-nine; of those authorized by the act of June thirtieth, eighteen hundred and ninety;

Armor and armament.

of the one authorized by the act of March second, eighteen hundred and ninety-one; of those authorized by the act of July nineteenth, eighteen hundred and ninety-two; and of the vessels authorized by the act of March third, eighteen hundred and ninety-three, four million dollars.

Construction  
and machinery.

CONSTRUCTION AND STEAM MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore or herein authorized, five million nine hundred and fifty-five thousand and twenty-five dollars and from this amount there shall be paid all speed premiums upon new naval vessels earned previous to January first, eighteen hundred and ninety-four, and which remain unpaid at this date, the amount of such speed premium in each case being according to the official report in the trial of each vessel approved by the Secretary of the Navy.

One cruiser.

The Secretary of the Navy is hereby authorized to use the four hundred and fifty thousand dollars "for the construction of one additional cruiser of the Vesuvius type," appropriated by the act of March second, eighteen hundred and eighty-nine, or so much thereof as may be necessary for the construction, armament, and equipment of three torpedo boats, to cost, all together, not more than the said sum of four hundred and fifty thousand dollars. And authority is hereby given to transform the United States steamship Vesuvius into a torpedo cruiser if, in the opinion of the Secretary of the Navy, such transformation will add to "the efficiency of this vessel for naval purposes." And the Secretary of the Navy is hereby authorized to remit the time penalties on the dynamite cruiser Vesuvius, and a sum sufficient for such purpose is hereby appropriated.

Vesuvius,  
conversion of.

Approved, July 26, 1894.



## FIFTY-THIRD CONGRESS, THIRD SESSION—MARCH 2, 1895.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-six, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

### PAY OF THE NAVY.

It is provided "the Secretary of the Navy is hereby authorized to enlist as many additional seamen as in his discretion he may deem necessary, not to exceed one thousand; \* \* \*: *Provided*, That any retired officer of the Navy or Marine Corps may, on his own application, be detailed to service as a teacher or professor in any school or college, but while so serving such officer shall be allowed no additional compensation."

Additional  
seamen.

Retired off-  
icers detailed at  
schools and col-  
leges.

\* \* \* \* \*

"That the accounting officers of the Treasury are hereby authorized and directed to credit Philip S. Wales, medical director, United States Navy, with the sum of forty-four thousand fifty-five dollars and eighty-nine cents, to relieve the said Wales from certain charges raised against him on the books of the Treasury upon Treasury settlement numbered eight thousand and sixty-two, dated January tenth, eighteen hundred and eighty-eight: *Provided*, That the Secretary of the Navy shall be satisfied that the said Philip S. Wales received no benefit from the payment of the vouchers represented in the charges now standing against him in said Treasury settlement numbered eight thousand and sixty-two."

Medical Di-  
rector Wales,  
relief of.

### BUREAU OF NAVIGATION.

\* \* \* \* \*

"Naval Station, Newport, Rhode Island: For maintenance of office of commandant, stationery, heating, furniture, freight, and other contingent expenses, \* \* \*."

Newport.

"NAVAL TRAINING STATION, COASTERS HARBOR ISLAND, RHODE ISLAND (FOR APPRENTICES): \* \* \* For hospital for station, twenty thousand dollars; \* \* \*: *Provided*, That no part of the personnel of the training force shall be quartered on shore except in case of sickness."

Coasters Is-  
land.  
Hospital for  
station.

### BUREAU OF ORDNANCE.

\* \* \* \* \*

A provision "to enable the Secretary of the Navy to pay, should he consider such payment desirable, for the

Patent rights.

exclusive rights to and for ordnance appliances now in use on naval vessels and protected and covered by Patent Numbered Five hundred and thirty-three thousand one hundred and seventy-one, said patent being embraced in a contract dated January twenty-eighth, eighteen hundred and ninety-three, and signed by the Secretary of the Navy and the patentee and authorized in the act making appropriations for the Naval Service for the fiscal year ending June thirtieth, eighteen hundred and ninety-three, and for other purposes, twenty-five thousand dollars, or so much thereof as may be necessary, to be immediately available."

\* \* \* \* \*

Purchase of guns. "For purchase of forgings and manufacture of guns for batteries for training ships, and a reserve supply of guns for ships of the Navy, one hundred thousand dollars; \* \* \*."

Magazine, Craney Island, removal. For "magazine, Craney Island: Removal of magazine at Craney Island, in the harbor of Norfolk, to a more suitable and safe locality, \* \* \*."

For "naval proving ground: Buildings for magazine for high explosives, and filling house; sewerage, extension of railroad track, water supply, and so forth, \* \* \*."

#### BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

#### PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Boston. NAVY-YARD, BOSTON, MASSACHUSETTS: To complete the electric plant at the Boston Navy-Yard, including United States steamer Wabash, one thousand five hundred dollars.

Brooklyn. NAVY-YARD, BROOKLYN, NEW YORK: For pumping plant for granite dock, forty thousand dollars; grading, paving, sidewalks, and sewers, ten thousand dollars; rebuilding construction and repair shipwright shed numbered forty-four, six thousand five hundred and thirty-four dollars; putting equipment paint shop in good condition, three thousand five hundred and seventy-five dollars; dredging, fifty-five thousand dollars; quay wall in Whitney basin (total estimated cost, one hundred and eleven thousand eight hundred and fifty-five dollars), twenty-five thousand dollars; heating apparatus for equipment rigging loft, one thousand two hundred and eighty-six dollars; extension of railroad system, ten thousand dollars; in all, one hundred and fifty-one thousand three hundred and ninety-five dollars.

League Island. NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For continuation of the sea wall, twenty thousand dollars;

dredging, ten thousand dollars; artesian wells, nine thousand dollars; sidewalks, three thousand five hundred dollars; one deck scow, two thousand dollars; for the construction of one steam tug, twenty-five thousand dollars; in all, sixty-nine thousand five hundred dollars.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For extension of quay wall, four thousand five hundred and sixty-nine dollars; extension of railroad track to store numbered two, three thousand two hundred and fifty dollars; roundhouse for yard locomotive and wrecking car, four thousand five hundred dollars; extension of electric-light plant, five thousand dollars; hydrants to conform to city standard, one thousand five hundred and sixty dollars; new iron roof for foundry, thirty-three thousand dollars; in all, fifty-one thousand eight hundred and seventy-nine dollars.

Washington.

NAVY-YARD, NORFOLK, VIRGINIA: For extension of quay wall, twenty thousand dollars; sand lighter, two thousand dollars; derrick car, one thousand dollars; repairs to granite dock, fifteen thousand dollars; one deck scow, two thousand dollars; dredging in front of the navy-yard dock, six thousand and twelve dollars; the Secretary of the Navy is hereby authorized to exchange such of the land at the navy-yard, Norfolk, Virginia, being a part of a tract known as Saint Helena, (on the east side of the Elizabeth River) which the Government does not need, for a part of the adjoining tract, known as "Cedar Grove," and now belonging to private parties, upon such terms as may be determined upon by a board of officers, accepted by the present owners of Cedar Grove, and approved by them, as may in his opinion serve the best interests of the Government; in all, forty-six thousand and twelve dollars.

Norfolk.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: For roadways, five thousand five hundred and seventy-two dollars; grading and drainage, six thousand dollars; extension of hydrant system, one thousand three hundred and eighty-five dollars; boundary fence, one thousand two hundred dollars; construction and repair shop, sixty thousand dollars; storage cisterns, three thousand seven hundred and fifty-eight dollars; in all, seventy-seven thousand nine hundred and fifteen dollars.

Port Royal.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For the construction of a steam tug at Mare Island Navy-yard, California, for the use of said yard, in addition to the sum of fifty thousand dollars authorized by the Act of July twenty-sixth, eighteen hundred and ninety-four, thirty thousand dollars;

Mare Island.

Extension of quay wall toward coal shed (estimated cost, eighty-eight thousand three hundred and six dollars), ten thousand dollars; enlarging entrance to stone dry dock, twenty thousand seven hundred and thirty-six



dollars; new caisson for stone dry dock, fifty-three thousand dollars; dredging, ten thousand dollars; three steam capstans for dry dock, five thousand nine hundred and seventy-one dollars, to be immediately available; railroad scales, one thousand six hundred and forty dollars; improvement of coppersmith shop, steam engineering, four thousand five hundred and twenty-seven dollars; yard roads, five thousand dollars; in all, one hundred and ten thousand eight hundred and seventy-four dollars.

Dry dock,  
Puget sound.

DRY DOCK, PUGET SOUND NAVAL STATION, WASHINGTON: For continuation of dry dock, dredging, office building, and officers' quarters, to be made immediately available, two hundred and sixty thousand dollars; in all, two hundred and sixty thousand dollars.

Key West.

NAVAL STATION, KEY WEST, FLORIDA: For purchase of additional lot for coal shed (twenty thousand dollars, or so much as may be necessary), twenty thousand dollars; coaling pier, forty thousand dollars; in all, sixty thousand dollars.

Naval Academy, water front at.

FOR BUILDINGS AND GROUNDS, NAVAL ACADEMY: For continuing the grading and improvement of the property condemned under Act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety, and the adjacent ground, and for the improvement of the water front of the Academy, to be immediately available, ten thousand dollars.

Naval Observatory.

FOR GROUNDS AND ROADS: For continuing grading, extending roads and paths, clearing and improving grounds of New Naval Observatory, and filling ravine contiguous to boiler house to Massachusetts avenue extended, twelve thousand dollars;

NEW BUILDINGS: For quarters for observers, two buildings, at five thousand dollars each, ten thousand dollars;

\* \* \* \*

#### BUREAU OF MEDICINE AND SURGERY.

\* \* \* \*

Burial of apprentice.

CONTINGENT, BUREAU OF MEDICINE AND SURGERY: \* \* \* For "the expense of disinterring, transportation, and burial at his late home in Cherokee, Iowa, of the remains of W. A. Lathrop, an apprentice, who died in the service of the United States steamer Concord, at Wuhu, China; \* \* \*."

Ambulances.

AMBULANCES FOR NAVAL HOSPITAL: For supplying three naval hospitals with ambulances of modern construction to replace vehicles condemned as useless, one thousand eight hundred dollars.

\* \* \* \*

#### BUREAU OF STEAM ENGINEERING.

\* \* \* \*

Chicago.

For "steam machinery (special): To continue work on new machinery to replace present engines, boilers, and so

forth, of United States steamship Chicago, two hundred thousand dollars."

\* \* \* \* \*

NAVAL ACADEMY.

\* \* \* \* \*

That the Secretary of the Navy shall have power to convene general courts-martial for the trial of naval cadets, subject to the same limitations and conditions now existing as to other general courts-martial, and to approve the proceedings and execute the sentences of such courts, except the sentences of suspension and dismissal, which, after having been approved by the Superintendent, shall not be carried into effect until confirmed by the President: *Provided*, That every Representative or Delegate in Congress whose district or Territory is not now represented at the Naval Academy for any cause by a cadet shall be permitted and authorized to recommend a candidate for appointment as a cadet at the Naval Academy of the United States, said recommendation to be made on or before the fourth day of March, eighteen hundred and ninety-five, subject to the qualifications now prescribed by law. Nothing herein contained shall be construed to increase the number of cadets at said Naval Academy as now provided by law.

Cadets, court-martial of.

Appointment of.

\* \* \* \* \*

INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract two seagoing coast-line battle ships designed to carry the heaviest armor and most powerful ordnance upon a displacement of about ten thousand tons, to have the highest practicable speed for vessels of their class, and to cost, exclusive of armament, not exceeding four million dollars each; and six light-draft composite gunboats of about one thousand tons displacement, to be fixed by the Secretary of the Navy, and no one of which shall cost more than two hundred and thirty thousand dollars, or in all for said six gunboats, one million three hundred and eighty thousand dollars, exclusive of armament, and not more than two of said gunboats shall be built in one yard, or by one contracting party, and in each case the contract shall be awarded by the Secretary of the Navy to the lowest best responsible bidder; and three torpedo boats, at a cost of not exceeding one hundred and seventy-five thousand dollars each; and, subject to the provisions hereinafter made, one seagoing battle ship and one of said torpedo boats shall be built on or near the coast of the Pacific Ocean,

Two battle-ships.

Six gunboats.

Three torpedo boats.

or in the waters connecting therewith, and one torpedo boat on the Mississippi River, and one torpedo boat on the coast of the Gulf of Mexico; and in the construction of all said vessels all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, except as to premiums, which are not to be offered, the notice of any proposals for the same, the plans, drawings, and specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, save that in all their parts said vessels shall be of domestic manufacture: *Provided*, That if it shall appear to the satisfaction of the President of the United States, from the biddings for the contracts for either of said torpedo boats, and for one of the foregoing battle ships to be built on the Pacific Coast, when the same shall be opened and examined by him, that the said torpedo boats or battle ships can not be constructed at a fair cost at the places fixed in the proposals and biddings, he may authorize the construction of said torpedo boats, or any of them, or the battle ship the biddings for which provide for building upon the Pacific Coast, elsewhere in the United States, subject to the limitations as to cost hereinbefore provided; and any of the ships, gunboats, and torpedo boats provided for in this act may be constructed of steel or other metal, or of alloy, except where it is otherwise provided in this act, and one of said battle ships shall be named Kearsarge.

Battle ship  
to be named  
Kearsarge.

Armor and  
armament.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of the vessels authorized by the act approved March second, eighteen hundred and eighty-nine; of those authorized by the act of June thirtieth, eighteen hundred and ninety; of the one authorized by the act of March second, eighteen hundred and ninety-one; of those authorized by the act of July nineteenth, eighteen hundred and ninety-two; and of the vessels authorized by the act of March third, eighteen hundred and ninety-three; and of the three torpedo boats, act of July twenty-sixth, eighteen hundred and ninety-four, and of the vessels authorized under this act, four million eight hundred and thirty-seven thousand six hundred and seventy dollars, of which sum two million dollars is to be made immediately available.

Construction  
and machinery.

CONSTRUCTION AND STEAM MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, eight million three hundred and forty-two thousand four hundred and



twenty-two dollars, of which sum two million dollars is to be made immediately available.

EQUIPMENT: Toward the completion of the equipment outfit of the new vessels heretofore authorized by Congress, one hundred and twenty-five thousand dollars. To pay the contractors for the construction of the machinery of the United States steamship Maine for earned premium over and above the contract horse power, twenty-two thousand four hundred and twenty-nine dollars and thirty cents, this amount being due under contract of April third, eighteen hundred and eighty-nine, and authorized by act of Congress August third, eighteen hundred and eighty-six.

That the Secretary of the Navy is hereby authorized and required to remit to N. F. Palmer, junior, and Company, of New York City, the time penalties exacted by the Navy Department under the contracts with said company for the construction of gunboat numbered three, known as the Concord, and gunboat numbered four, known as the Bennington, the United States having suffered no damage by the delay in the construction of the said gunboats.

The Secretary of the Navy is hereby authorized and directed to audit and adjust the claim of Richmond Locomotive and Machine Works, of Richmond, Virginia, against the Government of the United States, for damages and losses sustained by the said Richmond Locomotive and Machine Works in the execution of the contract to construct and deliver the machinery required for the United States battle ship Texas, caused by the delays of the Government of the United States in the construction of the hull of said battle ship Texas, and to report to Congress at its next session what amount may be due to said Richmond Locomotive and Machine Works.

The Secretary of the Navy is hereby authorized and required to remit the time penalties on the Yorktown, Baltimore, Philadelphia, and Newark, and forty thousand three hundred and fifty dollars is hereby appropriated for this purpose.

To pay to the parties who may be found entitled to receive the same any balance that may be due and unpaid on account of the purchase money of the steamers De Soto and Bienville, purchased by the United States from the New York and New Orleans Steamship Company, by authority of an Act of Congress approved July eighteenth, eighteen hundred and sixty-one, forty-one thousand seven hundred and one dollars and ninety-five cents.

COLUMBIAN MUSEUM, CHICAGO, ILLINOIS.

That the Secretary of the Navy be, and he hereby is, authorized to transfer to the trustees of the Columbian Museum of Chicago the reproductions of the caravals

Vessels authorized, completion of.

Penalties remitted on Concord and Bennington.

Richmond Locomotive & Machine Works, claim of.

Penalties remitted on Yorktown, Baltimore, Philadelphia, and Newark.

De Soto and Bienville, purchase of.

Caravals, transfer of.

of Columbus, the Santa Maria, Nina, and Pinta, which were exhibited at the World's Columbian Exposition.

Regulation of  
steam vessels.

An Act entitled "An Act to amend 'An Act to amend section forty-four hundred of title fifty-two of the Revised Statutes of the United States, concerning the regulation of steam vessels,' approved August seventh, eighteen hundred and eighty-two; and also to amend section forty-four hundred and fourteen, title fifty-two, of the Revised Statutes, 'Regulation of steam vessels,'" approved March first, eighteen hundred and ninety-five, is hereby amended by striking therefrom the words "Jacksonville, Florida; Bangor, Maine; and New Haven, Connecticut;" where said words occur in the ninth paragraph of the second section thereof, following the word "Illinois" and inserting the same in the second paragraph of section two of said act after the word "Illinois."

Approved, March 2, 1895.

## FIFTY-FOURTH CONGRESS, FIRST SESSION—JUNE 10, 1896.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-seven, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

### PAY OF THE NAVY.

It is "*Provided*, That the Secretary of the Navy be, and he is hereby, authorized to permit officers of the Navy and the Marine Corps to make allotments from their pay, under such regulations as he may prescribe, for the support of their families or relatives, for their own savings, or for other proper purposes, during such time as they may be absent at sea, on distant duty, or under other circumstances warranting such action: *Provided further*, That all officers who have been or may be appointed to any corps of the Navy or to the Marine Corps after service in a different corps of the Navy or of the Marine Corps shall have all the benefits of their previous service in the same manner as if said appointments were a reentry into the Navy or into the Marine Corps: *Provided further*, That such surgeons in the Navy not in line of promotion as may have been appointed to that position in accordance with a special act of Congress for meritorious services during yellow fever epidemics shall have all the benefits of their previous service in the same manner as if said appointments were a reentry into the Navy: *And provided further*, That hereafter no payment shall be made from appropriations made by Congress to any officer in the Navy or Marine Corps on the active or retired list while such officer is employed, after June thirtieth, eighteen hundred and ninety-seven, by any person or company furnishing naval supplies or war material to the Government; and such employment is hereby made unlawful after said date."

Allotments of  
pay.

Benefits of  
previous serv-  
ice.

Outside em-  
ployment of of-  
ficers.

\* \* \* \* \*

### BUREAU OF NAVIGATION.

\* \* \* \* \*

NAVAL TRAINING STATION, COASTERS HARBOR ISLAND, Coasters Is-  
land.  
RHODE ISLAND (FOR APPRENTICES): \* \* \*;

For "purchase of fresh water \* \* \*; and installing water supply from city waterworks, \* \* \*.

"NAVAL WAR COLLEGE AND TORPEDO SCHOOL ON COASTERS HARBOR ISLAND, RHODE ISLAND: \* \* \*.

"For the proper preservation, cementing, and reenforcing cellar walls; repairing window casings, floors,

\*



and door casings; a water tank in attic for use in case of fire, and a rain-water cistern and pumps, \* \* \*."

## BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: \* \* \*.

For "maintenance of new proving ground, \* \* \*."

Reserve supply of guns for ships of the Navy.

For "reserve supply of projectiles for ships of the Navy, \* \* \*";

"Additional supply of torpedoes, \* \* \*";

"For testing methods of throwing high explosives from guns on board ship with the ordinary velocities, \* \* \*."

Guns for  
auxiliary cruis-  
ers.

"RESERVE GUNS FOR AUXILIARY CRUISERS: Toward the armament of modern guns for auxiliary cruisers mentioned in the act approved March third, eighteen hundred and ninety-one, and in section four of the act approved May tenth, eighteen hundred and ninety-two, four hundred thousand dollars: *Provided*, That the Secretary of the Navy may, in his discretion, purchase by contract all or any part of such guns.

Gun factory.

"GUN PLANT, NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For cupolas and blowers, traveling crane and runways, swing cranes, blower engines, and iron elevators, and for installing and connecting the same in the brass and iron foundry, fifty thousand dollars.

Naval maga-  
zines, Fort  
Mifflin, Dover.

"NAVAL MAGAZINE, FORT MIFFLIN, PENNSYLVANIA: For construction of new brick or stone buildings in place of the present wooden ones, fifty thousand dollars.

"NAVAL MAGAZINE, DOVER, NEW JERSEY: For introduction of water supply for the new naval magazine at Dover, New Jersey, fifteen thousand dollars, which sum shall be immediately available.

Newport.

"TORPEDO STATION, NEWPORT, RHODE ISLAND. \* \* \*."

For "extending sea wall, \* \* \*."

Naval Mill-  
tia, clerk to.

"ARMING AND EQUIPPING NAVAL MILITIA: \* \* \*."  
*Provided*, "The Secretary of the Navy shall detail a clerk of class one to perform clerical services in the Navy Department necessary to carry on the work incident to this appropriation."

\* \* \* \* \*

## BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: For cart shed (alteration of building numbered fifty-six), four thousand five hundred dollars.

Two boilers for electric-light plant, four thousand five hundred dollars; in all, nine thousand dollars.

NAVY-YARD, BROOKLYN, NEW YORK: For wing and quay walls of dry dock numbered three, to be immediately available, sixty thousand dollars; grading, paving, sidewalks, and sewers, ten thousand dollars; quay wall for coal dock, forty thousand dollars; quay wall, Whitney Basin, twenty-five thousand dollars; in all, one hundred and thirty-five thousand dollars. Brooklyn.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For dredging and filling in, thirty thousand dollars; water-closets for yard, five thousand five hundred and eighty dollars; lightning rods and sidewalks, two thousand dollars; in all, thirty-seven thousand five hundred and eighty dollars. League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For roof trusses and roof for entire quadrangle building, fifty-nine thousand four hundred and eleven dollars and seventy-seven cents; alterations of north end of west side quadrangle building, to be made immediately available, fifteen thousand six hundred and fifty-seven dollars and forty-four cents; building sentry boxes at east gate and south end, one hundred dollars; building for paint shop and inflammable material, two thousand five hundred dollars; in all, seventy-seven thousand six hundred and sixty-nine dollars and twenty-one cents. Washington.

NAVY-YARD, NORFOLK, VIRGINIA: For extension of quay wall (continuation of), fifteen thousand dollars; boiler for electric plant (including shed and connections), nine thousand dollars; quay wall north end of timber basin, twenty thousand dollars; in all, forty-four thousand dollars. Norfolk.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: For chemical fire engine, six hundred and fifty dollars; lighting conductors, five hundred and thirty-two dollars; artesian well, fifteen thousand dollars; dredging channel opposite station, one hundred and fifty thousand dollars; steel tower and tank, four thousand dollars; storehouse, ten thousand dollars; purchase of land adjoining the naval station, five thousand dollars; in all, one hundred and eighty-five thousand one hundred and eighty-two dollars. Port Royal.

NAVAL STATION, KEY WEST, FLORIDA: For sea wall, three thousand four hundred dollars; dredging, three thousand dollars; in all, six thousand four hundred dollars. Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For extension of quay wall, thirty thousand dollars; guard chains about stone dry dock, one thousand four hundred and seventy dollars and fifty-seven cents; grading and paving, ten thousand dollars; removing board sidewalks and extending roads, fifteen thousand six hundred and eighty-five dollars; ship fitters' shed, thirty thousand dollars; storage shed for construction and repair, ten thousand one Mare Island.

hundred and thirty-nine dollars; in all, ninety-seven thousand two hundred and ninety-four dollars and fifty-seven cents.

Dry dock,  
Puget Sound.

DRY DOCK, PUGET SOUND NAVAL STATION, WASHINGTON: For construction and repair shops at dry dock, sixty thousand dollars; storehouse, twenty thousand dollars; two steel tanks, eleven thousand nine hundred and eighty dollars; water main, and purchase of land adjoining station containing a spring for water supply, four thousand dollars; clearing the grounds about the station, five thousand two hundred and fifty dollars; in all, one hundred and one thousand two hundred and thirty dollars.

Naval Academy.

FOR BUILDINGS AND GROUNDS, NAVAL ACADEMY: For two double houses for quarters for four officers and instructors, thirty thousand dollars, to be immediately available; two water-closets for cadet quarters, at two thousand five hundred dollars each, five thousand dollars, to be immediately available; in all, thirty-five thousand dollars.

Annapolis  
streets, paving  
of.

To pave Hanover street from Maryland avenue to Wagner street, Wagner street from Hanover street to King George street, and King George street from College avenue to College or Graveyard Creek, in the city of Annapolis, Maryland, eight thousand dollars, in addition to the sum of thirteen thousand dollars made by the naval appropriation act approved July twenty-sixth, eighteen hundred and ninety-four, which is hereby continued available for the same purpose.

That the Board of Visitors of the Naval Academy, when visiting said Academy in eighteen hundred and ninety-six, shall fully examine into and report to the Secretary of the Navy and to Congress, the availability and desirability of acquiring as an annex to the grounds of said Academy, so much of the property adjoining thereto in the city of Annapolis, as is situate between the north side of Hanover street, the east side of Governor street, the north side of King George street, and the west side of Holland street, and the probable cost thereof by purchase or by condemnation for public use.

Naval Observatory.

FOR GROUNDS AND ROADS: For continuing grading, extending roads and paths, clearing and improving grounds of new Naval Observatory, ten thousand dollars.

New buildings: For increase of appropriation (act of March second, eighteen hundred and ninety-five) "for quarters for observers, two buildings, at five thousand dollars each, ten thousand dollars," two thousand five hundred dollars.

Repairs to main building, one thousand eight hundred dollars, to be immediately available; in all, fourteen thousand three hundred dollars.



BUREAU OF MEDICINE AND SURGERY.

\* \* \* \* \*

NAVAL HOSPITAL FUND: \* \* \*.

That brick material be allowed for construction of ward at naval hospital, Brooklyn, New York, authorized by act approved July twenty-sixth, eighteen hundred and ninety-four. Naval hospital, Brooklyn.

For construction of a similar additional ward to increase needed capacity of hospital, twenty-five thousand dollars, which sum shall be paid from that portion of the naval hospital fund accruing from the sale of naval hospital grounds to the city of Brooklyn, and placed to the credit of the naval hospital fund in pursuance of the provisions of the act approved July second, eighteen hundred and ninety.

\* \* \* \* \*

AMBULANCES FOR NAVAL HOSPITALS: For supplying two naval hospitals with ambulances of modern construction to replace vehicles condemned as useless, one thousand two hundred dollars. Ambulances.

NAVAL CEMETERY, NAVY-YARD, MARE ISLAND, CALIFORNIA: Labor and material for widening of approaches, and repairing and painting all gates and fences; for making graveled roads and paths; building a wall at the foot of the upper terrace, properly grading the whole area, and planting appropriate shrubbery, one thousand dollars.

BUREAU OF SUPPLIES AND ACCOUNTS.

\* \* \* \* \*

And the Secretary of the Navy is hereby authorized and directed to cause advertisement to be made for tobacco for the use of the Navy, as the needs of the service may require, in the manner prescribed by law for other supplies. Bidders shall submit with their proposals a sample of the tobacco which they propose to furnish, and the contract shall, in the discretion of the Department, be awarded to the bidder whose sample is found by a board of officers to be best adapted for use in the Navy. Tobacco, purchase of.

And the Secretary of the Treasury is hereby authorized and directed to cause the general account of advance to be charged with the sum of three hundred thousand dollars in addition to the sum of two hundred thousand dollars provided in the Act approved March third, eighteen hundred and ninety-three, making in all, five hundred thousand dollars, which amount shall be carried to the credit of the permanent naval supply fund, to be used under the direction of the Secretary of the Navy in the purchase of ordinary commercial supplies for the naval Naval Supply Fund increased.

service, and to be reimbursed from the proper naval appropriations, whenever the supplies purchased under said funds are issued for use.

\* \* \* \* \*

#### BUREAU OF CONSTRUCTION AND REPAIR.

#### CONSTRUCTION AND REPAIR OF VESSELS: \* \* \*.

**Repair of vessels.** For repairs and other work urgently required on the Miantonomah, Bennington, Baltimore, Petrel, Mohican, Ranger, Atlanta, Vesuvius; tugs Fortune and Standish; to strip the Pensacola and Swatara, ordered to be sold; for boats and steam cutters, docking and painting ships, supplies needed for navy-yards, stores and supplies for ships fitting out and in commission, and miscellaneous work authorized on vessels but deferred for lack of funds, three hundred and fifty thousand dollars additional, to be immediately available: *Provided*, That no part of this sum shall be applied to the repair of any wooden ship when the estimated cost of such repairs, to be appraised by a competent board of naval officers, shall exceed ten per centum of the estimated cost, appraised in like manner, of a new ship of the same size and like material.

Repairs to United States steamship Hartford: Repairs to the United States steamship Hartford, one hundred thousand dollars.

Steam tug, navy-yard, League Island, Pennsylvania: Completion of steam tug numbered five, for navy-yard, League Island, Pennsylvania, eight thousand dollars, to be immediately available.

Repairs to the United States steamship Chicago, two hundred and fifty thousand dollars.

**Model tank,  
Washington  
yard.**

For making plans, examining and preparing the ground, and other preliminary work toward the construction of a model tank, with all buildings and appliances, to be built upon the grounds of the navy yard at Washington, District of Columbia, under the Bureau of Construction and Repair of the Navy Department, which shall conduct therein the work of investigating and determining the most suitable and desirable shapes and forms to be adopted for United States naval vessels, seven thousand five hundred dollars: *Provided*, That upon the authorization of the Secretary of the Navy experiments may be made at this establishment for private shipbuilders, who shall defray the cost of material and of labor of per diem employees for such experiments: *And provided further*, That the results of such private experiments shall be regarded as confidential and shall not be divulged without the consent of the shipbuilder for whom they may be made.

\* \* \* \* \*

BUREAU OF STEAM ENGINEERING.

*	*	*	*	*	
For new iron boiler tubes for the New York, Colum-					Boller tubes.
bia, and Minneapolis;					
*	*	*	*	*	

STEAM MACHINERY (SPECIAL): To continue work on new machinery to replace present engines, boilers, and so forth, of United States steamship Chicago, one hundred and fifty thousand dollars;	Chicago.
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To replace present boilers of United States steamship Atlanta with new boilers, and for repairs to engines and machinery, one hundred thousand dollars, to be made immediately available;	Atlanta.
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To replace present boilers of United States steamship Dolphin with new boilers, sixty thousand dollars, to be made immediately available;	Dolphin.
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To commence new machinery to replace present engines, boilers, and so forth, of United States steamship Hartford, seventy-five thousand dollars;	Hartford.
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To complete new machinery for steam tug for League Island Navy-Yard, eight thousand dollars;

The Secretary of the Navy is hereby authorized to transfer to the Enterprise one of the two boilers of the Galena, now at the navy-yard at Portsmouth, New Hampshire: <i>Provided</i> , That all expenses incurred in the installation of such boiler in the Enterprise shall be borne by the State of Massachusetts;	Enterprise.
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*	*	*	*	*	
The Secretary of the Navy is hereby authorized and directed to examine claims against the Government which may be presented to him by contractors for the building of the hulls or machinery of naval vessels under contracts completed since January first, eighteen hundred and ninety-one, where it is alleged that such contractors have been subjected to loss and damage through delays in the work under said contracts which were not the fault of said contractors, but were due to the action of the Government, and to report to the next session of Congress the result of said investigation, and whether said claims are, in his opinion, subjects for the jurisdiction of the Court of Claims or for the action of Congress upon the same.					Shipbuilders' claims to be examined.

NAVAL ACADEMY.

*	*	*	*	*	
REPAIRS AND IMPROVEMENTS, NAVAL ACADEMY: * * *					
Provides for "continuing the grading and improvement of the property condemned under act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety, and the adjacent ground, and for the improvement of the water					Annapolis, water-front improvements.



front of the Academy, to be immediately available, fifteen thousand dollars; necessary dredging along the river front of Naval Academy, to be immediately available, five thousand dollars; constructing main sewer and connections, fifteen thousand dollars; \* \* \*."

Portrait of  
superintendent.

CONTINGENT, NAVAL ACADEMY: \* \* \* For "one portrait of the fourteenth superintendent of the Naval Academy, one hundred dollars; one steam fire engine to replace one condemned by survey, four thousand dollars; for contingencies for the Superintendent of the Academy, one thousand dollars; \* \* \*."

#### MARINE CORPS.

PAY, MARINE CORPS: \* \* \*.

Additions to  
Marine Corps.

Pay of ten sergeants, forty corporals, twelve drummers, twelve fifers, and four hundred and twenty-six privates, to be enlisted in accordance with the provisions of section fifteen hundred and ninety-six, Revised Statutes, seventy-four thousand five hundred and sixty dollars, to be immediately available.

\* \* \* \*

Provisions.

PROVISIONS, MARINE CORPS: \* \* \*.

For five hundred noncommissioned officers, musicians, and privates, to be enlisted in accordance with the provisions of section fifteen hundred and ninety-six, Revised Statutes, thirty thousand six hundred and forty-two dollars and seventy-five cents, to be immediately available.

Clothing.

CLOTHING, MARINE CORPS: \* \* \*.

For five hundred noncommissioned officers, musicians, and privates, to be enlisted in accordance with the provisions of section fifteen hundred and ninety-six, Revised Statutes, seventeen thousand two hundred and fifty-five dollars, to be immediately available.

\* \* \* \*

Transporta-  
tion.

TRANSPORTATION AND RECRUITING, MARINE CORPS: \* \* \* "Provided, That the provisions of the clause contained in the act of Congress approved March third, eighteen hundred and seventy-nine, authorizing the Secretary of the Treasury to make such entries upon the books of the Department as will carry to the credit of certain railroad companies named in said act amounts earned or to be earned by them during each fiscal year on account of transportation of the Army and transportation of the mails be, and the same are hereby, extended and made applicable to the transportation of the Navy and the Marine Corps."

FOR REPAIRS OF BARRACKS: \* \* \*.

For alterations and repair of marine barrack and other public buildings, relaying walks and gas and water pipes at navy-yard, Mare Island, California, four thousand dollars.

For the erection of officers' quarters at Sitka, Alaska, two thousand five hundred dollars; for the erection of officers' quarters at Newport, Rhode Island, five thousand dollars; \* \* \*.

Officers' quarters.

HIRE OF QUARTERS, MARINE CORPS: Provides for quarters "for the leader of the Marine Band, \* \* \*."

CONTINGENT, MARINE CORPS: \* \* \*.

For iron bedsteads, mattresses, mattress covers, pillows, clothing boxes, and other articles, for five hundred non-commissioned officers, musicians, and privates, to be enlisted in accordance with the provisions of section fifteen hundred and ninety-six, Revised Statutes, three thousand dollars, to be immediately available.

Supplies.

# INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract three seagoing coast-line battle ships designed to carry the heaviest armor and most powerful ordnance upon a displacement of about eleven thousand tons, to have the highest practicable speed for vessels of their class, and to cost, exclusive of armament, not exceeding three million seven hundred and fifty thousand dollars each; and three torpedo boats, to have a maximum speed of not less than thirty knots, to cost in all not exceeding eight hundred thousand dollars; and not to exceed ten torpedo boats to cost in all not exceeding five hundred thousand dollars, and to have the highest practicable speed for vessels of their class; and not more than two of said battle ships and not more than three of said torpedo boats shall be built in one yard or by one contracting party, and in each case the contract shall be awarded by the Secretary of the Navy to the lowest best responsible bidder; and in the construction of all said vessels all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, except as to premiums, which are not to be offered, the notice of any proposals for the same, the plans, drawings, and specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, save that in all their parts said vessels shall be of domestic manufacture; and, subject to the provisions hereinafter made, one and not more than one seagoing battle ship and three of said torpedo boats shall be built on or near the coast of the Pacific Ocean or in the waters connecting therewith, provided that said battle ship or torpedo boats can be constructed at an additional cost not

Three battle-ships.

Three torpedo boats.

Not more than ten torpedo boats.

exceeding four per centum of the lowest accepted bid for the other battle ships or torpedo boats provided for in this act, and one torpedo boat on the Mississippi River, one torpedo boat on the coast of the Gulf of Mexico, and one torpedo boat on the Missouri River: *Provided*, That if it shall appear to the satisfaction of the President of the United States, from the biddings for such contracts when the same are opened and examined by him, that said vessels can not be constructed at a fair cost on or near the coast of the Pacific Ocean, on the Mississippi or Missouri River or the Gulf of Mexico, he shall authorize the construction of said vessels, or either of them, elsewhere in the United States, subject to the limitations as to cost hereinbefore provided: *Provided further*, That the contracts for the construction of the vessels herein provided for shall be made within one hundred and twenty days from the passage of this act: *And provided further*, That the Secretary of the Navy is hereby directed to examine into the actual cost of armor plate and the price of the same which should be equitably paid and shall report the result of his investigation to Congress at its next session at a date not later than January first, eighteen hundred and ninety-seven, and no contract for armor plate for the vessels authorized by this act shall be made till after such report is made to Congress for its action.

Armor plate,  
investigation  
into cost of.

Two Holland  
submarines.

The Secretary of the Navy is hereby authorized to contract for the building of two submarine torpedo boats of the Holland type, at a cost not exceeding one hundred and seventy-five thousand dollars each; said boats to be constructed and delivered to the Navy Department within four months from the date of contract: *Provided*, That the Holland boat now being built for the Department shall be accepted by the Department as fulfilling all the requirements of the contract, and as being satisfactory to the Secretary of the Navy; but no action shall be taken therein until said Holland boat now being built for the Department shall have been fully tested to the satisfaction of the Secretary of the Navy, and thereupon accepted.

Construction  
and machinery.

**CONSTRUCTION AND MACHINERY:** On account of the hulls and outfits of vessels and steam machinery of vessels heretofore authorized, and of the vessels authorized under this act, six million eight hundred and seventy thousand six hundred dollars.

Armor and  
armament.

**ARMOR AND ARMAMENT:** Toward the armament and armor of domestic manufacture for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of those authorized by the act of June thirtieth, eighteen hundred and ninety; of those authorized by the act of July nineteenth, eighteen hundred and ninety-two; and of the vessels authorized by the act of



March third, eighteen hundred and ninety-three; of the three torpedo boats, act of July twenty-sixth, eighteen hundred and ninety-four; of the vessels authorized under the act of March second, eighteen hundred and ninety-five, and of the vessels authorized under this act, four million three hundred and seventy-one thousand four hundred and fifty-four dollars.

EQUIPMENT: Toward the completion of the equipment outfit of the new vessels heretofore authorized by Congress, two hundred and thirty-seven thousand dollars.

Equipment.

SEC. 2. That the Secretary of the Navy is hereby directed to examine, through a board composed of line and staff officers, into the merits of any system presented for the propulsion of vessels by direct action against the water without the use of screws, in comparison with the steam engine and the propeller, and into the relative efficiency of the two methods as to displacement, waste of fuel, liability to accidents, and speed endurance, and also into the applicability and special advantages of the direct system in connection with torpedo boats and coast-defense vessels.

Propulsion of  
vessels, investi-  
gation into.

Approved, June 10, 1896.



# FIFTY-FOURTH CONGRESS, SECOND SESSION—MARCH 3, 1897.

[PUBLIC—No. 128.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-eight, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

\* \* \* \* \*

## BUREAU OF NAVIGATION.

\* \* \* \* \*

NAVAL WAR COLLEGE AND TORPEDO SCHOOL, COASTERS War college.  
HARBOR ISLAND, RHODE ISLAND: \* \* \*.

A provision "to complete installation of standpipes for fire hose and connections; complete window-casing repairs; rain-water cisterns, pumps, and tanks; leveling grounds about college, sodding, \* \* \*."

## BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: \* \* \*.

The Secretary of the Navy is hereby authorized and required to pay to the patentee the twenty-five thousand dollars appropriated in the "Act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-six, and for other purposes," approved March second, eighteen hundred and ninety-five, said act providing "for the exclusive rights to and for ordnance appliances now in use on naval vessels and protected and covered by patent numbered five hundred and thirty-three thousand one hundred and seventy-one, said patent being embraced in a contract dated January twenty-eighth, eighteen hundred and ninety-three, and signed by the Secretary of the Navy and the patentee."

Patents for  
ordnance ap-  
pliances, pay  
for.

Modern battery for the Hartford, one hundred and fifty thousand dollars.

Hartford,  
modern battery  
for.

Reserve supply of ammunition, five hundred thousand dollars.

Reserve am-  
munition.

\* \* \* \* \*

TORPEDO STATION, NEWPORT, RHODE ISLAND: \* \* \*.  
For "enlarging boiler house, and two new boilers, \* \* \*." Newport.

## BUREAU OF EQUIPMENT.

\* \* \* \* \*

FLAGS OF MARITIME NATIONS: The Secretary of the Navy is authorized to contract at once with a lithographic or color printing establishment having ample facilities

Flags of  
maritime na-  
tions.



for the suitable and satisfactory execution thereof for the printing of a new edition, to consist of five thousand copies, of the book of "Flags of Maritime Nations," of which number one thousand copies shall be for use of the Navy Department and three hundred copies for the use of the Revenue-Cutter Service; and the remaining copies shall be delivered to the superintendent of public documents for distribution to the Senate and House of Representatives, one thousand two hundred copies to the Senate and two thousand five hundred copies to the House of Representatives.

## BUREAU OF YARDS AND DOCKS.

Michigan, wharf, etc., for. MAINTENANCE OF YARDS AND DOCKS: \* \* \*. For "rent of wharf and storehouse at Erie, Pennsylvania, for use and accommodation of United States steamer Michigan, \* \* \*."

## PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Boston. NAVY-YARD, BOSTON, MASSACHUSETTS: For swinging gates for dry dock, ten thousand dollars; additional culverts in caisson for filling dry dock, four thousand five hundred dollars; in all, fourteen thousand five hundred dollars.

Brooklyn. NAVY-YARD, BROOKLYN, NEW YORK: For quay wall, Whitney Basin, eighteen thousand dollars; dredging Wallabout Channel, thirty thousand dollars; quay wall, Wallabout Channel, ten thousand dollars; coal shed for dry dock, five thousand dollars; grading and sewerage between dry dock and Clinton avenue, ten thousand dollars; grading and paving streets, five thousand dollars; latrines, eighteen thousand dollars; addition to electric plant, twelve thousand dollars; flushing-culverts in causeway (to be immediately available), twenty-five thousand dollars: *Provided*, That the Secretary of the Navy, after further investigation, shall be satisfied that the proposed plan for improving the sanitary conditions will be practicable and expedient; in all, one hundred and thirty-three thousand dollars.

League Island. NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For new coping for dry dock, sixty-four thousand dollars; causeway across back channel (west wall), twenty thousand five hundred and forty-seven dollars; dredging freshwater basin and filling in, one hundred thousand dollars; new boiler house for steam engineering, three thousand seven hundred and ninety-five dollars; wharf crane, three thousand dollars; weighing scales, one thousand eight hundred and eighty dollars; in all, one hundred and ninety-three thousand two hundred and twenty-two dollars.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For dredging in front of sea wall, three thousand eight hundred and sixty-one dollars; new scale house, one thousand two hundred and seventy-one dollars and eighty-two cents; in all, five thousand one hundred and thirty-two dollars and eighty-two cents. Washington.

NAVY-YARD, NORFOLK, VIRGINIA: For continuing extension of quay wall north of timber basin, ten thousand dollars; completing quay wall from timber basin to marine railway, ten thousand dollars; paving, grading, and sewers, five thousand dollars; piping and engine for fire service, fifteen thousand dollars; renewing deteriorated parts of wooden dry dock numbered two, twenty thousand dollars; dredging, thirty-five thousand dollars; rebuilding blacksmith shop, thirty-five thousand dollars; in all, one hundred and thirty thousand dollars. Norfolk.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: For grading and drainage, seven thousand five hundred and seventy-nine dollars and twenty-five cents; railway track scales, five hundred dollars; storage cistern, three thousand seven hundred and fifty-seven dollars and eighty-eight cents; machinery to be placed in machine shop just completed, fifty thousand dollars; in all, sixty-one thousand eight hundred and thirty-seven dollars and thirteen cents. Port Royal.

NAVAL STATION, KEY WEST, FLORIDA: For sea wall from machine shop lot to extension of Eaton street, two thousand dollars; dredging along front of wharf and inside the L, three thousand dollars; new machine shop, thirty thousand dollars; in all, thirty-five thousand dollars. Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For extension of quay wall, thirty thousand dollars; grading and paving about the stone dry dock, ten thousand dollars; dredging, twenty thousand dollars; dredging a channel in Mare Island Strait to enable all classes of naval vessels to reach the navy-yard, one hundred and fifty thousand dollars; completing coppersmith's shop, steam engineering, three thousand dollars; storage shed north of building numbered fifty-five, three thousand seven hundred and eighty-five dollars; in all, two hundred and sixteen thousand seven hundred and eighty-five dollars. Mare Island.

PUGET SOUND NAVAL STATION, WASHINGTON: For continuing clearing, stumping, and grading station, ten thousand dollars; wharf, sixty thousand dollars; filling in marsh, five thousand dollars; extension of brick discharge culvert, five thousand one hundred and forty-three dollars and sixty-two cents; in all, eighty thousand one hundred and forty-three dollars and sixty-two cents. Puget Sound.

\* \* \* \* \*

NAVAL ACADEMY: For buildings and grounds, Naval Academy: For extension to sick quarters for cadets rendered necessary in order that there may be an operating room, two thousand five hundred dollars. Naval Academy.

Naval Ob-  
servatory.

NEW NAVAL OBSERVATORY: For grounds and roads: For continuing grading, extending roads and paths, clearing and improving grounds of new Naval Observatory, five thousand dollars.

#### BUREAU OF MEDICINE AND SURGERY.

\* \* \* \* \*

Hospital,  
Chelsea.

NAVAL HOSPITAL, CHELSEA, MASSACHUSETTS: To enable the Secretary of the Navy to cause the removal of the brick wall in front of the United States naval hospital, on Broadway, in the city of Chelsea, Massachusetts, and to substitute in place thereof an iron fence, six thousand dollars, and one thousand dollars of this amount, or so much thereof as may be necessary, shall be used to repair the sea wall on the water front of said naval hospital.

Hospital,  
Port Royal.

NAVAL HOSPITAL, NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: For hospital at the naval station at Port Royal, South Carolina, four thousand dollars.

\* \* \* \* \*

Naval ceme-  
tery, Brooklyn.

NAVAL CEMETERY AT NAVAL HOSPITAL, BROOKLYN, NEW YORK: For labor and material for widening of approaches, and repairing and painting all gates and fences; for making graveled roads and paths; building walls where necessary, properly grading the whole area, and planting appropriate shrubbery, one thousand dollars.

#### BUREAU OF SUPPLIES AND ACCOUNTS.

\* \* \* \* \*

Naval supply  
fund, increase  
of.

NAVAL SUPPLY FUND: And the Secretary of the Treasury is hereby authorized and directed to cause the general account of advances to be charged with the sum of one million dollars, in addition to the sum of two hundred thousand dollars, provided in the Act approved March third, eighteen hundred and ninety-three, and the three hundred thousand dollars, provided in the Act approved June tenth, eighteen hundred and ninety-six, making in all one million five hundred thousand dollars, which amount shall be carried to the credit of the permanent naval supply fund, to be used under the direction of the Secretary of the Navy in the purchase of supplies for the naval service, and to be reimbursed from the proper naval appropriations, whenever the supplies purchased under said fund are issued for use.

\* \* \* \* \*

#### BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: \* \* \*: "Provided, That the balance of the appropriation under the act of July twenty-sixth, eighteen hundred and ninety-



four, 'for the repair of the United States ship Constitution, now lying at the Portsmouth Navy-Yard, in the State of New Hampshire, in order that it may be used as a training ship for the Naval Militia, eight thousand dollars,' or such part thereof as may be required, is hereby made immediately available for such work as may be necessary for the proper care and preservation of that historic vessel." Constitution.

Repairs to United States steamship Hartford: Completion of repairs to the United States steamship Hartford, seventy thousand dollars. Hartford.

Repairs to the United States steamship Chicago: Completion of repairs to the United States steamship Chicago, fifty thousand dollars. Chicago.

Steam tug for naval station, Port Royal, South Carolina: Construction of one steam tug for the use of the naval station, Port Royal, South Carolina, fifty thousand dollars. Tug for Port Royal.

Steam tug for naval station, Puget Sound, Washington: Construction of one steam tug for the use of the naval station, Puget Sound, Washington, fifty thousand dollars. Tug for Puget Sound.

Steel lighter for navy-yard, New York: Construction of one steel lighter for use of the Bureau of Supplies and Accounts at the navy-yard, New York, twenty thousand dollars. Steel lighter for New York.

Model tank, navy-yard, Washington, District of Columbia: Completion of the model tank, to be immediately available, ninety-two thousand five hundred dollars. Model tank, completion of.

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BUREAU OF STEAM ENGINEERING.

\* \* \* \* \*

STEAM MACHINERY (SPECIAL): To complete new machinery and boilers, now building at New York Navy-Yard, for United States steamship Chicago, one hundred and seventy-five thousand dollars; Chicago.

To complete new machinery and boilers, now building at Mare Island Navy-Yard, for United States steamship Hartford, one hundred thousand dollars; Hartford.

The Secretary of the Navy is hereby authorized to transfer to the Enterprise the two boilers of the Galena, now at the navy-yard at Portsmouth, New Hampshire: *Provided*, That all expenses incurred in the installation of such boilers in the Enterprise shall be borne by the State of Massachusetts. Boilers, Enterprise.

\* \* \* \* \*

IMPROVEMENT OF PLANT, NAVY-YARD, MARE ISLAND, CALIFORNIA: For modern machine tools for boiler shop and machine shop, fifty thousand dollars. Machinery plant, Mare Island.

\* \* \* \* \*

## NAVAL ACADEMY.

Professors, PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY:  
pay of. \* \* \*

It is "*Provided*, That the proper pay officer of the Navy be, and is hereby, authorized to pay the professors at the Naval Academy, whose compensation was affected by the act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-six, approved March second, eighteen hundred and ninety-five, at the rate of compensation fixed by that act from July first, eighteen hundred and ninety-six."

\* \* \* \* \*

## MARINE CORPS.

\* \* \* \* \*

Marine bar-  
racks.

For raising the marine barracks, Boston, Massachusetts, an additional story, three thousand one hundred dollars.

For the erection of officers' quarters at the marine barracks, naval station, Port Royal, South Carolina, two thousand five hundred dollars.

For alteration and repair of marine barracks and other public buildings, relaying walks and flagging at navy-yard, Brooklyn, New York, ten thousand dollars.

For the erection of a building for marine barracks, naval station, Port Orchard, Washington, ten thousand dollars.

For quarters for officers at naval station, Port Orchard, Washington, five thousand dollars.

For stumping, grading, and grubbing for a parade ground, naval station, Port Orchard, Washington, three thousand dollars.

\* \* \* \* \*

## INCREASE OF THE NAVY.

Three tor-  
pedo boats.

That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed by contract not more than three torpedo boats, to have a speed of not less than thirty knots, to cost in all not exceeding eight hundred thousand dollars. And not more than two of said torpedo boats shall be built in one yard or by one contracting party, and in each case the contract shall be awarded by the Secretary of the Navy to the lowest best responsible bidder. And in the construction of said torpedo boats all the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, except as to premiums,

which are not to be offered, the notice of proposals for the same, the plans, drawings, and specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture.

**CONSTRUCTION AND MACHINERY:** On account of the hulls and outfits of vessels and steam machinery of vessels heretofore authorized, and authorized under this act, six million four hundred and twenty-five thousand three hundred and fifty-nine dollars. Construction and machinery.

**ARMOR AND ARMAMENT:** Toward the armament and armor of domestic manufacture for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of those authorized by the act of July nineteenth, eighteen hundred and ninety-two; of the vessels authorized by the act of March third, eighteen hundred and ninety-three; of the three torpedo boats, act of July twenty-sixth, eighteen hundred and ninety-four, and the torpedo boats authorized under this act; of the vessels authorized under the act of March second, eighteen hundred and ninety-five, of the vessels authorized by the act of June tenth, eighteen hundred and ninety-six, seven million two hundred and twenty thousand seven hundred and ninety-six dollars, to be immediately available: *Provided*, That the total cost of the armor, according to the plans and specifications already prepared, for the three battle ships authorized by the act of June tenth, eighteen hundred and ninety-six, shall not exceed two million four hundred and seven thousand five hundred dollars, exclusive of the cost of transportation, ballistic test plates, and tests, and no contract for armor plate shall be made at an average rate to exceed three hundred dollars per ton of two thousand two hundred and forty pounds: *And provided further*, That the Secretary of the Navy is authorized, in his discretion, to contract with either or all of the builders of the hulls and machinery of those vessels, or with any one or more bidders, for the furnishing of the entire amount of said armor at a cost not exceeding the aforesaid three hundred dollars per ton, if he shall deem it for the best interest of the Government. Armor and armament.

**EQUIPMENT:** Toward the completion of the equipment outfit of the new vessels heretofore authorized by Congress, one hundred and sixty-two thousand six hundred and twenty-eight dollars, of which sum thirty thousand dollars to be immediately available. Armor, limit of cost of.

**TRAINING VESSEL FOR NAVAL ACADEMY:** For one composite vessel, propelled by steam and sail, to be used for the training of cadets at the Naval Academy, including outfit, two hundred and fifty thousand dollars. Equipment.

Approved, March 3, 1897. Training vessel, Naval Academy.





FIFTY-FIFTH CONGRESS, SECOND SESSION—MAY 4, 1898.

[PUBLIC—No. 76.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

It is provided "Whenever, within the next twelve months, an exigency may exist which, in the judgment of the President, renders their services necessary, he is hereby authorized to appoint from civil life and commission such officers of the line and staff, not above the rank or relative rank of commander, and warrant officers including warrant machinists, and such officers of the Marine Corps not above the rank of captain, to be appointed from the non-commissioned officers of the Corps and from civil life, as may be requisite: *Provided*, That such officers shall serve only during the continuance of the exigency under which their services are required in the existing war: *And provided further*, That such officers so appointed shall be assigned to duty with rank and pay of the grades established by existing law; and warrant machinists shall be paid at the rate of one thousand two hundred dollars per annum.

Officers from civil life, appointment of.

"To enable the Secretary of the Navy to enlist, at any time after the passage of this act, as many additional seamen, landsmen, and boys as he may deem necessary to man the ships of the Navy, or in use by the Navy, as a temporary force therefor during the existing war, and for pay of the same and of the temporary additional officers and warrant machinists hereinbefore authorized, eight million eight hundred and thirty thousand dollars, or so much thereof as may be necessary; and to enable the Secretary of the Navy to enlist, at any time after the passage of this act, the following additional force for the Marine Corps as a temporary force during the existing war, namely, not more than sixty gunnery sergeants with rank of first sergeants, not more than eighty corporals, and not more than one thousand five hundred privates, and for pay of the same, including the temporary additional officers hereinbefore authorized, and for provisions, clothing, fuel, military stores, transportation and recruiting, and for contingent expenses, on account of

Increased enlistment, authority for.

Marine Corps, increase in.

said additional force, five hundred and sixty-seven thousand nine hundred dollars, or so much thereof as may be necessary."

\* \* \* \*

#### BUREAU OF NAVIGATION.

\* \* \* \*

Training station. For Naval Training Station, Yerba Buena Island, California (for apprentices): "Toward the erection of buildings for the naval training station and for the construction of a wharf and bulkhead for approach to the same on Yerba Buena Island (Goat Island), California, fifty thousand dollars, said improvements to cost complete not more than one hundred thousand dollars."

\* \* \* \*

#### NAVAL WAR COLLEGE AND TORPEDO SCHOOL, COASTERS HARBOR ISLAND, RHODE ISLAND: \* \* \*

War College buildings, walls for. To continue strengthening of walls already begun and to build partition walls through building, ten thousand dollars: *Provided*, That prior to the expenditure of any part of this appropriation for the repairs stated, the Secretary of the Navy shall cause a thorough examination of the present condition of the War College building by competent professional experts in architecture and building, who shall report to him their opinion of the adequacy of the original designs and of the fulfillment of the terms of the contract, and their recommendations as to the work necessary to insure the safety and usefulness of the building; and the necessary expense of such examination shall be paid out of this appropriation;

\* \* \* \*

#### BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: \* \* \*. For "watchmen at magazines; \* \* \* for the maintenance of the proving ground, \* \* \*."

Telephone line to Indian Head. "For repairing and improving the telephone line connecting the Navy Department and Washington Navy-Yard with the naval proving ground at Indian Head, to be immediately available, \* \* \*."

Gun factory. Purchase and erection of new and improved machinery for the shops of the gun plant at the Washington Navy-Yard, thirty-six thousand dollars.

Shell. Capping, filling, and fusing armor-piercing shell now on hand, forty-five thousand dollars.

Guns. Conversion of ordinary six-inch guns to rapid fire, twenty-five thousand dollars.

Chicago. Modern battery for the Chicago, fifty thousand dollars.

SMOKELESS POWDER: For the purchase and manufacture of smokeless powder, two hundred and fifty thousand dollars.

\* \* \* \*



For smokeless-powder factory: "For the erection of buildings on Government ground for the manufacture of smokeless powder, with the necessary machinery and equipment, ninety-three thousand seven hundred and twenty-seven dollars."

Powder fac-  
tory.

\* \* \* \* \*

Torpedo Station, Newport, R. I.:

\* \* \* \* \*

For "enlarging storehouse, improvements and repairs to seaman gunners' quarters, and providing more adequate accommodations for the increasing number of torpedo boats sent to the station for outfits and torpedo work, ten thousand five hundred dollars; in all, torpedo station, ninety-seven thousand five hundred dollars."

Miscellaneous  
improvements.

FITTING FORT LAFAYETTE AS MAGAZINE: For the necessary improvements and fittings at Fort Lafayette, New York Harbor, to render same suitable for the storage, handling, and distribution of ammunition for the naval service, fifteen thousand dollars; and the Secretary of the Navy is hereby authorized and directed to appoint a board of officers to ascertain whether a suitable site for a naval magazine can be obtained at or near the port of New York, and to make report thereon to the next session of Congress.

Fort Lafay-  
ette.

NAVAL MAGAZINE, FORT MIFFLIN, PENNSYLVANIA: For additional magazine, fixed ammunition house, two gun-cotton houses, fire plant, tramway, two filling houses, remodeling old building for watchmen's quarters, cistern, converting old gunners' house into storehouse, lightning conductors, with the necessary fittings to same, at the naval magazine, Fort Mifflin, Pennsylvania, forty-five thousand dollars.

Fort Mifflin.

RESERVE TORPEDOES AND APPLIANCES: Reserve torpedoes and torpedo appliances, two hundred and fifty thousand dollars.

Torpedoes.

EXPERIMENTS WITH ARMOR-PIERCING PROJECTILES: For conducting experiments in firing armor-piercing projectiles charged with high explosives under service conditions from naval guns at high velocities, and for the purpose of determining whether the destructive effect of shells so charged is greater than that of similar shells charged with gunpowder, and whether they can be placed on board naval vessels on the same footing as shells loaded with gunpowder, twenty-five thousand dollars.

Armor-pierc-  
ing projectiles,  
experiments in.

\* \* \* \* \*

For arming and equipping Naval Militia: \* \* \* "The Secretary of the Navy is hereby authorized and empowered to use any part of the share of moneys heretofore or herein appropriated for arming or equipping the Naval Militia forces of the State of Michigan in repairing the damage to the Yantic caused by a collision during

Yantic, re-  
pairs.

her transportation from the Boston Navy-Yard to Michigan, as he, the Secretary, may deem proper and advisable."

\* \* \* \* \*

Assistant  
Chief of Bu-  
reau of Ord-  
nance.

Provides "that a line officer of the Navy may be detailed temporarily as assistant to the Chief of the Bureau of Ordnance in the Navy Department, and that such officer during such detail shall receive the highest pay of his grade, and in the case of the death, resignation, absence, or sickness of the chief of the bureau shall, unless otherwise directed by the President, as provided by sections one and seventy-nine of the Revised Statutes, perform the duties of such chief until his successor is appointed or such absence or sickness shall cease, provided that, in case of the death, sickness, or absence on duty of the chief of the bureau and the assistant thereto, the chief clerk shall act as chief of the bureau."

Statue of  
David D. Por-  
ter.

The Secretary of the Navy is hereby directed to report to Congress a suitable design for a statue of David D. Porter, to be erected in the city of Washington, and the reasonable cost thereof.

#### BUREAU OF EQUIPMENT.

EQUIPMENT OF VESSELS: \* \* \* "Hydrographic Office shall hereafter be attached to and be a part of the Bureau of Equipment.

"For one steam water-boat for use at the Norfolk Navy-Yard, \* \* \*."

Coal depots,  
establishment  
of.

DEPOTS FOR COAL: To enable the Secretary of the Navy to execute the provisions of section fifteen hundred and fifty-two of the Revised Statutes authorizing the Secretary of the Navy to establish, at such places as he may deem necessary, suitable depots of coal, and other fuel, for the supply of steamships of war, two hundred and fifty thousand dollars, or so much thereof as may be necessary.

\* \* \* \* \*

Naval Home,  
admission to.

NAVAL HOME, PHILADELPHIA, PENNSYLVANIA: \* \* \*. "Whenever any officer, seaman, or marine entitled to a pension is admitted to the Naval Home at Philadelphia, or to a naval hospital, his pension, while he remains there, shall be deducted from his accounts and paid to the Secretary of the Navy for the benefit of the fund from which such home or hospital, respectively, is maintained; and section forty-eight hundred and thirteen of the Revised Statutes of the United States is hereby amended accordingly."

PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS  
AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERV-  
ATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Reappropriation of balance (six thousand three hundred and fifty dollars) of appropriation for coal pocket, act June nineteenth, eighteen hundred and ninety-two, for coal sheds, Seaveys Island, for storage of coal. Portsmouth.

NAVY-YARD, BOSTON, MASSACHUSETTS: For iron roof for Building Numbered Forty-two, fifteen thousand four hundred dollars. Boston.

NAVY-YARD, BROOKLYN, NEW YORK: For dredging Whitney Basin and Wallabout, to continue, fifty thousand dollars; quay wall between Dry Dock Numbered One and Main street, sixty thousand dollars; quay wall, coal dock, to complete, thirty thousand dollars; grading and sewerage between dry dock and Clinton avenue, to continue, ten thousand dollars; grading and paving causeway and roads around docks, twenty thousand dollars; storehouse for steel (for construction and repair), seventeen thousand five hundred dollars; oil and varnish storehouse (supplies and accounts), forty-six thousand three hundred dollars; paving streets, five thousand dollars; addition to electric-light system, fifteen thousand dollars; replacing storehouse (building numbered thirty-one), condemned as dangerous and removed, forty-nine thousand eight hundred and thirty-seven dollars; conversion of building numbered eight into two-story fire-proof storehouse for ordnance material, to be immediately available, twenty-four thousand five hundred dollars; in all, three hundred and twenty-eight thousand one hundred and thirty-seven dollars. Brooklyn.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: Dredging and filling in, twenty thousand dollars; mooring cribs for vessels in reserve basin, fifty-six thousand dollars; extension of reserve basin, one hundred and twenty thousand dollars; continuation of west wall of causeway, twenty thousand dollars; for roads and walks to reserve basin and about the yard, five thousand dollars; workshop and boiler house for ordnance, sixty thousand dollars; steam generator for heating purposes and electric plant, five thousand five hundred dollars; in all, two hundred and eighty-six thousand five hundred dollars. League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For improvement of electric plant, sixteen thousand dollars; storehouse for guns (ordnance), thirty-five thousand dollars; new roof for south gun shop (ordnance), twenty-five thousand three hundred and forty-seven dollars; in all, seventy-six thousand three hundred and forty-seven dollars. Washington.

NAVY-YARD, NORFOLK, VIRGINIA: Toward enlargement of electric plant and concentration of steam, twenty thou- Norfolk.



sand dollars; extension of quay wall, thirty thousand dollars; ship fitter's shop, at new dry dock (construction and repair), forty thousand dollars; extending railroad tracks for traveling crane, thirteen thousand dollars; steel standpipe (two hundred and seventy thousand gallons), thirteen thousand dollars; grading and paving, to continue, ten thousand dollars; in all, one hundred and twenty-six thousand dollars.

The Secretary of the Navy is hereby authorized and directed to cause to be commenced, within three months after the passage of this act, and the Attorney-General is hereby directed to carry on, proceedings for the condemnation of the following tract of land for the use of the United States for the Norfolk Navy-Yard, for the purpose of constructing a wet dock, and for other purposes, namely, the tract of land known as the Cedar Grove property, containing fifty acres, with a water front of one thousand six hundred feet on the Elizabeth River, immediately opposite to the Gosport Navy-Yard, in the State of Virginia, under the act of Congress approved August first, eighteen hundred and eighty-eight, entitled "An act to authorize the condemnation of lands for sites of public buildings, and for other purposes," and other laws of the United States, so as to completely vest in the United States the title of said land. And all such proceedings shall be reported to Congress at its next session by the Secretary of the Navy.

Port Royal.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: Quay wall, fifteen thousand dollars; repair shop (for steam engineering), fifty thousand dollars; dredging a channel from the outside to the naval station, one hundred thousand dollars; constructing a wharf adjoining the timber dry dock, seventy-five thousand dollars; one locomotive crane and truck for dry dock, seventy thousand dollars; electric light and power plant, twenty thousand dollars; increasing facilities for storage and handling of coal, twenty thousand dollars; for the payment of the amounts awarded to the owners of the several tracts of land at the naval station, Port Royal, South Carolina, recently condemned for the use of the United States, in addition to the amount heretofore appropriated for the purchase of land at that station, twenty thousand three hundred and twenty-five dollars and fifty cents; in all, three hundred and seventy thousand three hundred and twenty-five dollars and fifty cents, to be immediately available.

Mare Island.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For storage shed for lumber (construction and repair), twenty-eight thousand dollars; coal cylinders, forty-three thousand dollars; extending quay wall, thirty thousand dollars; shelter roofs for boats, fourteen thousand three hundred dollars; plumbers', tinnners', and paint shop (construction and repair), twenty-two thousand five hundred dol-

lars; bath house at United States receiving ship Independence, one thousand six hundred and twenty-one dollars; washhouse and drying room United States receiving ship Independence, three thousand dollars; wharf at United States receiving ship Independence, two thousand eight hundred dollars; extension of oil house, eight thousand six hundred dollars; sidewalks and roads, seven thousand dollars; extension of electric system, fifteen thousand dollars; tools for yards and docks shops, six thousand seven hundred and fifty dollars; in all, one hundred and eighty-two thousand five hundred and seventy-one dollars.

To enable the Secretary of the Navy to repair and reconstruct, where necessary, the buildings recently damaged by earthquake at the Mare Island Navy-Yard, California, three hundred and fifty thousand dollars, to be immediately available.

For tearing down and removing present naval hospital building and appendages recently destroyed by earthquake at navy-yard, Mare Island, California, and erecting a new naval hospital and appendages at that place, to be immediately available, one hundred thousand dollars.

PUGET SOUND NAVAL STATION, WASHINGTON: For electric-light plant, nine thousand eight hundred dollars; extension of water system, four thousand and seven dollars; steam capstans for dry dock, six thousand three hundred and twenty-five dollars; steam engineering shop and boiler house, fifty-six thousand dollars; continuing clearing, grading, and stumping, six thousand dollars; oil house, one thousand seven hundred dollars; dredging, twenty thousand dollars; establishing telegraphic communication, four thousand dollars; quay wall, twenty-five thousand dollars; in all, one hundred and thirty-two thousand eight hundred and thirty-two dollars.

Puget Sound.

HOUSING TORPEDO VESSELS: Hauling out and housing torpedo vessels at such navy-yard or station as may be selected, one hundred and fifty thousand dollars.

Torpedo vessels, berths for.

COALING WHARF AT JAPONSKI ISLAND, ALASKA: Coal-  
ing wharf, five thousand dollars.

Japonski Island.

\* \* \* \* \*

Toward the construction of four timber dry docks, two hundred thousand dollars each; in all, eight hundred thousand dollars; said dry docks to be not less than seven hundred feet in length, and of other dimensions sufficient to meet the present and probable future requirements of the largest vessels of the Navy and auxiliary fleet. One of these docks to be located at the navy-yard, Portsmouth, New Hampshire, to cost, when completed, not exceeding eight hundred and twenty-five thousand dollars; one at the navy-yard, Boston, Massachusetts, to cost, when completed, not exceeding eight hundred and twenty-

Four timber dry docks.

five thousand dollars; one at the navy-yard, League Island, Pennsylvania, to cost, when completed, not exceeding eight hundred and twenty-five thousand dollars; and one at the navy-yard, Mare Island, California, to cost, when completed, not exceeding eight hundred and twenty-five thousand dollars; and the Secretary of the Navy is hereby authorized, in his discretion, to build one of said docks of granite or concrete faced with granite, and in such case the limit of the cost of said dock is increased two hundred thousand dollars.

Floating  
dock, Algiers,  
La.

Toward the construction of one steel floating dock of domestic manufacture which shall be a combined floating and graving dock, two hundred thousand dollars, said dock to be located at the naval reservation at Algiers, Louisiana, to be capable of lifting a vessel of fifteen thousand tons displacement, and twenty-seven feet draft of water, to cost, including moorings and wharf, eight hundred and fifty thousand dollars.

The Secretary of the Navy may employ, and pay out of the appropriations for dry docks herein authorized, such additional expert aids, draftsmen, writers, and copyists as may be necessary for the preparation of plans and specifications, to an amount not to exceed ten thousand dollars.

And the Secretary of the Navy be, and is hereby, authorized, under the limitations hereinbefore provided, to make contracts for the entire construction of said dry docks, and steel floating dock, and in each case the contract shall be awarded to the lowest best responsible bidder.

Board for  
locating sites  
for two dry  
docks.

The Secretary of the Navy is hereby authorized and directed to appoint a board of naval officers to determine the desirability of locating and constructing a dry dock of sufficient capacity to take the largest naval ship in the harbor of Galveston or in the harbor of Sabine Pass, or the waters tributary thereto, Texas, and a dry dock of the same capacity in the waters of Chesapeake Bay above the mouth of the Potomac River; and to report such finding to the next session of the present Congress; and the sum of one thousand dollars, or so much thereof as may be necessary, is hereby appropriated to defray the expenses of said board.

Naval Ob-  
servatory.

NAVAL OBSERVATORY: For grounds and roads: For continuing grading, extending roads and paths, clearing and improving grounds, five thousand dollars; building a conduit for underground service for wires, pipes, and so forth, five thousand dollars; in all, ten thousand dollars.

Building a double floor (under the movable floor), twenty-six inch equatorial dome, double doors at entrance to basement, and alterations to machinery, one thousand two hundred dollars.



BUREAU OF MEDICINE AND SURGERY.

\* \* \* \* \*

For hospital for contagious diseases: "For hospital for contagious diseases at Newport, Rhode Island, six thousand five hundred dollars."

\* \* \* \* \*

NAVAL CEMETERY, NAVAL HOSPITAL, NORFOLK, VIRGINIA: Naval cemetery, Norfolk.  
Labor and material for widening of approaches, and repairing and painting of all gates and fences; for making graveled roads and paths; building walls where necessary, properly grading the whole area, and planting appropriate shrubbery, one thousand dollars.

That section thirteen hundred and seventy of the Revised Statutes of the United States be, and the same is hereby, amended so as to read as follows:

"No person shall be appointed assistant surgeon until he has been examined and approved by a board of naval surgeons designated by the Secretary of the Navy, nor who is under twenty-one or over thirty years of age, inclusive." Assistant surgeons, appointment of.

The President is hereby authorized to appoint for temporary service twenty-five acting assistant surgeons, who shall have the relative rank and compensation of assistant surgeons. Temporary appointees.

BUREAU OF SUPPLIES AND ACCOUNTS.

\* \* \* \* \*

For assistant paymasters: "The active list of assistant paymasters of the pay corps shall hereafter consist of twenty-five." Assistant paymasters, increase in number of.

\* \* \* \* \*

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: \* \* \*.

For repairs to United States steamship Hartford: Hartford.  
"Completion of repairs to and outfit for the United States steamship Hartford, thirty thousand dollars."

Repairs to the United States steamship Chicago: Chicago.  
Completion of repairs to and outfit for the United States steamship Chicago, two hundred and twenty-five thousand dollars.

One coaling barge, eight hundred tons capacity, sixteen thousand dollars. Coaling barge.

Construction plant, navy-yard, Portsmouth, New Hampshire: Repairs to and improvement of plant at navy-yard, Portsmouth, New Hampshire, fifty thousand dollars. Construction plants.  
Portsmouth.

Construction plant, navy-yard, Boston, Massachusetts: Boston.  
Repairs to and improvement of plant at navy-yard, Boston, Massachusetts, fifty thousand dollars.

New York.	Construction plant, navy-yard, New York, New York: Repairs to and improvement of plant at navy-yard, New York, New York, fifty thousand dollars.				
League Island.	Construction plant, navy-yard, League Island, Pennsylvania: Repairs to and improvement of plant at navy-yard, League Island, Pennsylvania, fifty thousand dollars.				
Norfolk.	Construction plant, navy-yard, Norfolk, Virginia: Repairs to and improvement of plant at navy-yard, Norfolk, Virginia, fifty thousand dollars.				
Mare Island.	Construction plant, navy-yard, Mare Island, California: Repairs to and improvement of plant at navy-yard, Mare Island, California, fifty thousand dollars.				
Puget Sound.	Construction plant, naval station, Puget Sound, Washington: Repairs to and improvement of plant at Puget Sound, Naval Station, Washington, twenty thousand dollars.				
		*	*	*	*

## BUREAU OF STEAM ENGINEERING.

		*	*	*	*	*
Machinery plants: Boston.	MACHINERY PLANT, NAVY-YARD, BOSTON, MASSACHUSETTS: Modern machine shop tools, fifteen thousand dollars.					
Norfolk.	MACHINERY PLANT, NAVY-YARD, NORFOLK, VIRGINIA: Additional tools required to put the yard in condition for building and repairing modern marine machinery, including improvements in handling machinery and in the boiler-making plant; new boilers for steam engineering shops, thirty-five thousand dollars.					
Key West.	MACHINERY PLANT, NAVAL STATION, KEY WEST, FLORIDA: For tools for machine shop, foundry, and boiler shop, thirty thousand dollars.					
Port Orchard.	MACHINERY PLANT, NAVAL STATION, PORT ORCHARD, WASHINGTON: Machine tools to fit out plant for repairs of engines, boilers, and so forth, of United States naval vessels, thirty thousand dollars.					
Port Royal.	MACHINERY PLANT, NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: Machine tools to properly equip the plant for repairing engines, boilers, and so forth, of United States naval vessels, fifty thousand dollars.					
Liquid fuel, experiments with.	EXPERIMENTAL PURPOSES: Experiments with liquid fuel on steam tug, New York yard; experiments with liquid fuel on two torpedo boats, fifteen thousand dollars.					
		*	*	*	*	*

## NAVAL ACADEMY.

		*	*	*	*	*
Fire and flushing system.	REPAIRS, NAVAL ACADEMY: * * * For new fire and flushing system and other sanitary purposes, fifteen thousand seven hundred and fifty dollars; relaying brick sidewalks adjacent to Naval Academy walls in streets of An-					

napolis, three thousand five hundred dollars; repaving Maryland avenue within the Naval Academy, four thousand dollars; relaying sidewalk from Maryland avenue to cadet quarters, one thousand two hundred and eighty-two dollars; repairing Santee's wharf, two thousand five hundred dollars; necessary dredging and improvement of north water front, ten thousand dollars; \* \* \*.

The Secretary of the Navy is authorized to contract for the construction, at the Naval Academy, Annapolis, Maryland, of a building suitable for use as an armory, at a cost not to exceed three hundred thousand dollars; a boathouse, at a cost not to exceed three hundred thousand dollars; a power house, at a cost not to exceed one hundred thousand dollars; four double houses for officer's quarters, at a cost not to exceed sixty thousand dollars; for grading, electric-light wiring, removing old buildings, and preparing plans, at a cost not to exceed ninety thousand dollars; for constructing the line of sea wall on the river side, piling, dredging, and filling in, as may be necessary, one hundred and fifty thousand dollars; and the sum of five hundred thousand dollars is hereby appropriated toward the construction of the public works herein authorized.

Armory, etc.

\* \* \* \*

MARINE CORPS.

\* \* \* \*

For repair of barracks and officers' quarters at Mare Island Navy-Yard, California, damaged by earthquake, five thousand four hundred and twenty-five dollars, to be immediately available.

Repair of  
damage, Mare  
Island.

\* \* \* \*

Repairs to marine barracks, Annapolis, Maryland, one thousand five hundred dollars.

\* \* \* \*

To reimburse the enlisted men of the United States Marine Corps who incurred loss of clothing by the fire which occurred at the navy-yard, Washington, District of Columbia, on the twenty-second and twenty-ninth days of April, eighteen hundred and ninety-seven, fifty-one dollars and seventy-three cents: *Provided*, That the accounting officers of the Treasury shall in all cases require a schedule and certificate from each person making a claim under this act.

Reimburse-  
ment for loss  
of clothing.

\* \* \* \*

INCREASE OF THE NAVY.

For the purpose of further increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract three sea-going coast-line battle ships carrying the heaviest armor

Three battle-  
ships.



Maine.  
Four harbor-  
defense vessels,  
monitors.

Sixteen tor-  
pedo-boat de-  
stroyers.

Twelve tor-  
pedo boats.  
One gunboat.

and most powerful ordnance upon a displacement of about eleven thousand tons, to have the highest practicable speed for vessels of their class, and to cost, exclusive of armor and armament, not exceeding three million dollars each, one of said battle ships to be named the Maine; and four harbor-defense vessels of the monitor type, each having one or two turrets, and to cost, exclusive of armament, not exceeding one million two hundred and fifty thousand dollars each; and sixteen torpedo boat destroyers of about four hundred tons displacement, and twelve torpedo boats of about one hundred and fifty tons displacement, to have the highest practicable speed, and to cost in all, exclusive of armament, not exceeding six million nine hundred thousand dollars; and one gunboat to take the place of the United States steamship Michigan, to cost, exclusive of armament, not more than two hundred and sixty thousand dollars, said gunboat to be constructed on the Great Lakes or their connecting waters: *Provided*, That said construction of said gunboat shall conform to all existing treaties and conventions. And not more than two of said battle ships, and not more than two of said harbor-defense vessels, and not more than five of said torpedo-boat destroyers, and not more than four of said torpedo boats shall be built in one yard or by one contracting party, and the contracts for the construction of each of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all said vessels all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," and amendments subsequently made thereto as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, except as to premiums, which are not to be offered, the notice of any proposals for the same, the plans, drawings, and specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, save that in all their parts said vessels shall be of domestic manufacture except that no proposal for the torpedo vessels shall be considered unless the bidder is already in possession of adequate plant, and that the advertisement relating to the proposals for such vessels may be published for three weeks only; and, subject to the provisions hereinafter made, one and not more than one of the aforesaid sea-going battle ships, and one and not more than one of the aforesaid harbor-defense vessels, shall be built on or near the coast of the Pacific Ocean or in the waters connecting therewith: *Provided*, That if it shall appear to the satisfaction of the President of the United States, from the biddings for such contracts when the same are opened and

Where to be  
constructed.

examined by him, said vessel, or either of them, can not be constructed on or near the coast of the Pacific Ocean at a cost not exceeding four per centum above the lowest accepted bid for the other battle ships or harbor-defense vessels provided for in this act, he shall authorize the construction of said vessel, or either of them, elsewhere in the United States, subject to the limitations as to cost hereinbefore provided.

CONSTRUCTION AND MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, thirteen million six hundred and forty-eight thousand four hundred and seventy-three dollars: *Provided*, That section two of the act entitled "An act to increase the naval establishment," approved August third, eighteen hundred and eighty-six, be, and the same is hereby, amended so as to read as follows:

Construction and machinery.

"SEC. 2. That in the construction of all naval vessels the steel material shall be of domestic manufacture, and of the quality and characteristic best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy."

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels authorized by the act of July twenty-sixth, eighteen hundred and ninety-four, of the vessels authorized under the act of March second, eighteen hundred and ninety-five, of those authorized by the act of June tenth, eighteen hundred and ninety-six, of the three torpedo boats authorized by the act of March third, eighteen hundred and ninety-seven, and of those authorized by this act, including the completion of ordnance outfit for the four harbor-defense vessels, the sixteen torpedo-boat destroyers, and twelve torpedo boats named herein, seven million one hundred and sixty-two thousand eight hundred dollars: *Provided*, That the total cost of the armor according to the plans and specifications already prepared, for the three battle ships authorized by the act of June tenth, eighteen hundred and ninety-six, shall not exceed three million two hundred and ten thousand dollars, including all cost of nickel in the same, and exclusive of the cost of transportation, ballistic test plates, and tests, and royalty for steel face-hardening process, not to exceed one-half cent per pound, and which can not be made use of without the payment of royalty, and no contract for armor plate shall be made at an average rate to exceed four hundred dollars per ton of two thousand two hundred and forty pounds, including nickel as aforesaid. That hereafter all first-class battle ships and monitors owned by the United States shall be named for the States, and shall not be named for any city, place, or person until the names of the States, shall have been exhausted:

Armor and armament.

Limit of cost.

Names of vessels.

*Provided*, That nothing herein contained shall be so construed as to interfere with the names of States already assigned to any such battle ship or monitor.

Equipment.

EQUIPMENT: Toward the completion of the equipment outfit of the new vessels heretofore and herein authorized, three hundred and seventy-five thousand dollars.

For the installation of electric plants in gunboats numbered ten, eleven, twelve, and thirteen, forty thousand dollars.

Funds immediately available.

It is further provided that whenever in the judgment of the President, the public interests may require he is authorized and empowered to make any or all the provisions and appropriations of this act immediately operative and available.

Approved, May 4, 1898.



FIFTY-FIFTH CONGRESS, THIRD SESSION—MARCH 3, 1899.

[PUBLIC—No. 185.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

For \* \* \* “including the Admiral of the Navy, <sup>Admiral of the Navy, pay of.</sup> whose pay and allowances shall be the same as those received by the last General of the United States Army; \* \* \* for men to be enlisted to fill vacancies \* \* \*.”

Provides, “the Secretary of the Navy is hereby authorized to pay to such officers as were appointed for temporary service in the Navy during the late war with Spain, and who entered upon the performance of duty prior to the date on which they accepted their commissions and executed oaths of office, the pay of their grades for the interval during which they were so employed, such payments to be made from the appropriation ‘Pay of the Navy.’” <sup>Officers serving temporarily, pay of.</sup>

\* \* \* \* \*

BUREAU OF NAVIGATION.

\* \* \* \* \*

NAVAL APPRENTICE TRAINING STATION, YERBA BUENA ISLAND, CALIFORNIA—Maintenance: Maintenance of naval apprentice training station, Yerba Buena Island, California, namely: Labor and material; buildings and wharves; general care, repairs, and improvements of grounds, buildings, and wharves; wharfage, ferriage, and street-car fare; purchase and maintenance of live stock, and attendance on same; wagons, carts, implements, and tools, and repairs to same; fire engines and extinguishers; boats and gymnastic implements; models and other articles needed in instruction of apprentices; printing outfit and materials, and maintenance of same; heating, lighting, and furniture; stationery, books, and periodicals; fresh water, ice, and washing; freight and expressage; packing boxes and materials; postage and telegraphing; telephones, and all other contingent expenses thirty thousand dollars. <sup>Yerba Buena Island.</sup>

NAVAL TRAINING STATION, COASTERS HARBOR ISLAND, RHODE ISLAND (FOR APPRENTICES): \* \* \* For “bar-racks, mess hall, wash room, and so forth, \* \* \*.” <sup>Coasters Island.</sup>

## BUREAU OF ORDNANCE.

- \* \* \* \* \*
- Smokeless-  
powder factory. For smokeless-powder factory: "Necessary expenses incident to the work of continuing the development of the smokeless-powder factory, \* \* \*."
- Fort Lafay-  
ette. For fitting Fort Lafayette as magazine: "Additional work necessary in fitting Fort Lafayette, New York Harbor, in suitable condition for magazine purposes, \* \* \*."
- Purchase of  
site for naval  
magazine, New  
York Harbor. Naval magazine, New York Harbor: For the purchase of land for a site for a naval magazine, near New York City, and for the erection thereon of the necessary buildings; for inclosing said grounds; for grading and filling in; for building roads and walks; for the improvement of the water front; for the necessary wharves and cranes; for railroad tracks and water service; and for the equipment of the establishment, six hundred thousand dollars, or as much thereof as may be necessary; and the Secretary of the Navy may employ and pay out of the appropriation hereby authorized such additional expert aids, architects, superintendent of construction, or draftsmen, as may be necessary for the preparation of the plans and specifications and prosecution of the work authorized, to an amount not to exceed seven thousand dollars.
- Fort Mifflin. Naval magazine, Fort Mifflin, Pennsylvania: For extending two shell houses at the naval magazine, Fort Mifflin, Pennsylvania; construction of necessary roadbeds, extension and repair of piers, improvement and repair of dike walls, and expenses incident thereto, sixty-eight thousand dollars.
- \* \* \* \* \*
- Ordnance  
buildings and  
equipment. For machinery for ordnance building, navy-yard, League Island, Pennsylvania: "Boilers, machinery, tools, and appliances for the new ordnance building at the navy-yard, League Island, Pennsylvania, sixty thousand dollars."
- League Is-  
land. Naval magazine, near Norfolk, Virginia: New watchmen's quarters and storehouse at magazine grounds, Saint Juliens Creek, near Norfolk, Virginia, and for the purchase of additional land needed to extend the borders of same, twenty-seven thousand five hundred dollars.
- Norfolk.
- League Is-  
land. Steam lighter for navy-yard, League Island, Pennsylvania: Purchase of a steam lighter for ordnance purposes at the navy-yard, League Island, Pennsylvania, thirty thousand dollars.
- \* \* \* \* \*
- Maxim guns  
to Yale Uni-  
versity, trans-  
fer of. Provision for "the Secretary of the Navy \* \* \* to transfer to the officers of Yale University the custody of the two Maxim rapid-fire guns, with their mounts and the stand of colors, presented by its students and graduates to the United States at the opening of the war with

Spain for use upon the auxiliary cruiser Yale, to be retained until said guns may be required for use by the Government."

BUREAU OF EQUIPMENT.

\* \* \* \* \*

Ocean and lake surveys: \* \* \* For surveys of the imperfectly known parts of the coasts and harbors of the Philippine Archipelago, and the islands of Cuba and Porto Rico, with their bordering keys and waters and the minor outlying islands; to be made immediately available, one hundred thousand dollars.

Survey of  
Philippines,  
Cuba, and  
Porto Rico.

\* \* \* \* \*

BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

FOR PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Building to replace hospital numbered twenty-eight, six thousand dollars; sawmill for construction and repair, thirty thousand dollars; foundry for construction and repair, forty thousand dollars; plate-angle, smith, and beam shed for construction and repair, thirty-five thousand dollars; electric-light plant, fifty thousand dollars; electric-light building, thirty thousand dollars; two officers' quarters, fifteen thousand dollars; coal-storage and coal-handling machinery, one hundred thousand dollars; in all, navy-yard, Portsmouth, New Hampshire, three hundred and six thousand dollars.

Portsmouth.

NAVY-YARD, BOSTON, MASSACHUSETTS: New gate and entrance house to yard, twenty-five thousand dollars; new railroad system, forty thousand dollars; locomotive and cars, ten thousand dollars; constructing new piers and extending old ones, and dredging, one hundred thousand dollars; coal-storage and coal-handling plant, one hundred and thirty thousand dollars; repairing drainage system and connecting with metropolitan sewer, twelve thousand dollars; electric-light building with coal-storage and coal-handling appliances for same, fifty thousand dollars; electric elevators in four storehouses, twelve thousand dollars; in all, navy-yard, Boston, three hundred and seventy-nine thousand dollars.

Boston.

That the Secretary of the Navy is hereby authorized to provide for the enlargement of the slip or dock at the southern boundary of the United States navy-yard at Boston, Massachusetts, partly upon the land of the navy-yard and partly upon lands belonging to the Fitchburg



Railroad Company, said slip to be enlarged beyond its present width eighty feet upon the lands of the United States and twenty feet upon the lands of the Fitchburg Railroad Company, so that the same shall be one hundred and sixty feet in width, measured northerly from the land parallel to and twenty feet southerly from the boundary between the lands of the United States and lands of the Fitchburg Railroad Company, and to be increased in length to a total of five hundred and seventy feet, measured from the harbor commissioners' line as now established upon the front of the said railroad company's property; the said slip to be used by both the Fitchburg Railroad and the United States for the berthing of vessels at their respective wharves; and the Secretary of the Navy is empowered to make a contract with the said Fitchburg Railroad Company pursuant to the provisions of this act. That in consideration of the privileges granted by this act to the Fitchburg Railroad Company for the use of a portion of this slip extending northerly of the boundary line of the United States navy-yard, said railroad company shall build suitable retaining walls upon the east side and at the head of the slip upon the Government lands, or if the United States shall so elect in lieu thereof shall pay to the United States such sums of money as may be determined by arbitration, and shall dredge the entire slip or basin to a depth of thirty feet at mean low water and maintain such depth as long as it enjoys the privileges above stated. It is further provided that the said railroad company shall use and occupy only sixty feet of the width of the said basin within the limits of the navy-yard property, and is to erect no construction of any kind within the limits of the said basin, either upon the lands of the Government or upon that portion of the said railroad company's lands included in the basin. That the right to use said dock or any part thereof by said railroad company may be temporarily suspended by the Secretary of the Navy whenever in case of war or other emergency it shall be necessary, in his judgment, for the United States Government to have the exclusive use of the same, and for any such suspension said company shall not be entitled to any compensation. The Secretary of the Navy shall notify the railroad company to that effect, and thereupon and during the continuance of such emergency the Government shall have the sole use of said dock. That the entire expense of the construction of the said slip or basin and all future repair thereof shall be borne by the said railroad company, including the excavation and removal of any wharves, piers, buildings, earth, or constructions of any kind that may be upon the said site, and said materials and constructions shall be disposed of in such a manner or deposited in such places as shall be designated,

with the approval of the Secretary of the Navy, and the construction and improvement herein provided for shall be without any expense whatever to the United States. That the privileges hereby granted to the Fitchburg Railroad Company shall become null and void unless the improvements hereby authorized are begun within six calendar months from the date of the approval of this act, and completed in every respect in accordance with the terms hereof, and to the acceptance of the Secretary of the Navy, within eighteen calendar months from the same date.

NAVY-YARD, BROOKLYN, NEW YORK: Removing crib work, and so forth, Whitney Basin, one hundred thousand dollars; extending quay wall, Cob Dock, eighty-two thousand seven hundred dollars; extending building numbered thirty-three, forty-eight thousand dollars; erecting shop, wing of building numbered twenty-eight, for steam engineering, forty-seven thousand two hundred and fifty dollars; coppersmith shop for steam engineering, fifteen thousand one hundred and twelve dollars; administration building for steam engineering, thirty-seven thousand dollars; paving streets, fifty thousand dollars; extending yard sewers, eighteen thousand dollars; extending railroad system, thirty thousand dollars; extending electric plant, twenty thousand dollars; new roof for building numbered twelve, eight thousand dollars; new floor for building numbered fourteen, twelve thousand dollars; two officers' quarters, fourteen thousand dollars; reconstructing and enlarging building numbered twenty-two, seventy thousand dollars; coal-storage and coal-handling plant, thirty thousand dollars; in all, navy-yard, New York, six hundred and twelve thousand and sixty-two dollars.

Brooklyn.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: Dredging and filling in Delaware water front, fifty thousand dollars; extension of reserve basin, one hundred and twenty-five thousand dollars; new roads and walks about yard, fifteen thousand dollars; extension of drainage system, seven thousand dollars; commandant's office, fifty-three thousand seven hundred and thirty-five dollars; water-closets, four thousand seven hundred and twelve dollars; east wall of causeway, seventy-three thousand nine hundred and twenty dollars; railroad tracks about yard, twenty thousand dollars; artesian well, five thousand four hundred dollars; four officers' quarters, twenty-five thousand dollars; locomotive crane about dry dock, sixty-five thousand dollars; retaining wall about reserve basin, one hundred thousand dollars; storehouses for ships' equipment along reserve basin, thirty-six thousand dollars; continuation of sea wall west of new dry dock, fifty thousand dollars; plate-bending shop, construction and repair, seventy-five thousand dollars; coal-storage and coal-handling plant, fifty thousand dollars; fire-

League Island.

proof storehouse, forty-five thousand dollars; in all, navy-yard, League Island, eight hundred thousand seven hundred sixty-seven dollars.

Washington. NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: New steel roof and repairs to pattern-shop building numbered thirty, twenty-one thousand dollars; new steel roof and repairs to copper rolling mill, seventeen thousand dollars; extension of north gun shop, fifteen thousand dollars; new steel roof and extension of store numbered twelve, ten thousand dollars; extension of storehouse for guns, thirty-five thousand dollars; shop and office building for construction and repair, one hundred thousand dollars; one officer's quarters, seven thousand dollars; in all, navy-yard, Washington, two hundred and five thousand dollars.

Norfolk. NAVY-YARD, NORFOLK, VIRGINIA: Quay wall for fitting out basin, one hundred thousand dollars; ship fitters' shop for construction and repair, one hundred thousand dollars; building for electric plant, plumbers' shop, and machine shop (yards and docks), seventy-five thousand dollars; blacksmith shop and plumbers' shop, fifty thousand dollars; one hundred and twenty ton floating derrick, seventy thousand dollars; two officers' quarters, ten thousand dollars; grading and paving streets and for sewers, twenty thousand dollars; storehouse for torpedoes, and so forth, seventy-five thousand dollars; in all, navy-yard, Norfolk, five hundred thousand dollars.

And the sum of one hundred and forty-five thousand six hundred and eighty-seven dollars and fifty cents, or so much thereof as may be necessary, is hereby appropriated to pay and satisfy the amount awarded to the property owners as found by the final judgment to be rendered in the matter of the condemnation proceedings begun under the direction of the Attorney-General of the United States in the district court of the United States for the eastern district of Virginia on the twenty-fourth day of June, eighteen hundred and ninety-eight, for the condemnation of the tract of land mentioned therein for the use of the United States at Norfolk, Virginia; and such further sum is appropriated as may be necessary to pay the costs of said proceedings: *Provided*, That said sum, the purchase money, shall be paid into court to be distributed among those entitled thereto, or their attorneys of record, under said judgment and decree in full satisfaction of the payment for the lands mentioned and described therein.

New London. NAVAL STATION, NEW LONDON, CONNECTICUT: Dredging, twenty-five thousand dollars.

Port Royal. NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: Building for workshops (yards and docks), fifty-four thousand dollars; paint shop and storage for combustibles, thirteen thousand dollars; extension of storehouse, thirty thousand dollars; dredging plant, six thousand dollars;



grading and drainage, six thousand dollars; sawmill and boat shop (construction and repair), thirty thousand dollars; shipwright's shed (construction and repair), six thousand dollars; the Secretary of the Navy is hereby authorized to procure, by purchase, in his discretion, at such price as he may deem fair and reasonable, not to exceed the sum of twenty-six thousand dollars, the following-described property adjoining and contiguous to the United States Naval Station, Port Royal, South Carolina, being lots in township numbered two, south of Beaufort base line, range numbered one, west of Saint Helena meridian, in section numbered five, according to the survey thereof made by the United States direct tax commissioners for South Carolina, and recorded in their office, namely: Twenty-seven, twenty-eight, twenty-nine, thirty, thirty-one, thirty-four, thirty-five, thirty-six, thirty-seven, thirty-eight, forty-three, forty-four, forty-five, forty-six, forty-seven, forty-nine, fifty, fifty-one, fifty-two, fifty-three, fifty-four, fifty-nine, sixty, sixty-one, sixty-two, sixty-three, and sixty-four; also section numbered eight, lots one, two, three, four, five, six, eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty, twenty-one, twenty-two, twenty-seven, twenty-eight, twenty-nine, thirty, thirty-one, thirty-two, thirty-three, thirty-four, thirty-five, thirty-six, thirty-seven, and thirty-eight; in all, naval station, Port Royal, one hundred and forty-five thousand dollars.

NAVAL STATION, KEY WEST, FLORIDA: Sea wall, three thousand dollars; sidewalks, one thousand five hundred and twenty dollars; two officers' quarters, eight thousand dollars; purchase of additional land, one hundred thousand dollars; in all, naval station, Key West, one hundred and twelve thousand five hundred and twenty dollars.

Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Quay wall, seventy-two thousand dollars; crematory, seven thousand five hundred dollars; additional tools for machine shop (yards and docks), four thousand dollars; extension and renewal of railroad and its equipments, twenty thousand dollars; fire-engine house, seven thousand dollars; additional storehouse for supplies and accounts, forty thousand dollars; blockmakers', coopers', and varnishers' shop (construction and repair), sixteen thousand dollars; dredging channel and anchorage ground, one hundred thousand dollars; timber shed (supplies and accounts), twenty-six thousand two hundred and fifty dollars; apartment house for junior and other officers, fifteen thousand dollars; sidewalks and roads, five thousand dollars; boat shops (construction and repair), seventy-two thousand dollars; machine shop (construction and repair), thirty-four thousand dollars; grading and paving streets, six thousand dollars; building for storing and

Mare Island.

handling guns, twenty-two thousand dollars; moving back ferry slip, eighty thousand dollars; shipwrights' shop (construction and repair), seventy-five thousand dollars; steam engineering, machine shop, and foundry, one hundred and fifty thousand dollars; grading yard, one hundred thousand dollars; storehouse for equipment materials, forty-five thousand dollars; workshop and boiler house for Bureau of Equipment, thirty-five thousand dollars; chain shed for Bureau of Equipment, four thousand five hundred dollars; in all, navy-yard, Mare Island, nine hundred and thirty-five thousand seven hundred and fifty dollars.

**Puget Sound.** **PUGET SOUND NAVAL STATION, WASHINGTON:** Pump and boiler house for new water station, three thousand dollars; yard water-closets, one thousand dollars; purchase of additional land near springs, one thousand dollars; continuing clearing, grading, and stumping station, twelve thousand dollars; concrete floor for construction and repair shop, eight thousand dollars; yard railway, three thousand five hundred dollars; extension of boiler room and steam plant for yards and docks, twenty thousand dollars; in all, Puget Sound Naval Station, forty-eight thousand five hundred dollars.

**Algiers, La.** That the Secretary of the Navy is authorized to use the balance remaining unexpended of the appropriations made by the act approved March third, eighteen hundred and ninety-three, "Dry dock, Algiers, Louisiana," and by the act approved July twenty-sixth, eighteen hundred and ninety-four, "Dry dock at Algiers, Louisiana," for the payment of the interest and costs adjudged by the decrees of the court in the proceedings for the condemnation of the lands acquired, as authorized by said acts.

The provisions of "An act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, and for other purposes," approved May fourth, eighteen hundred and ninety-eight, relating to the construction of dry docks, are hereby modified so that the Secretary of the Navy may, in his discretion, contract for the construction of one of the four dry docks named in said provision in addition to that at Boston, to be built of granite, or of concrete faced with granite, and in such case the limit of the cost of each of said dry docks is fixed at one million one hundred thousand dollars. Toward the construction of said dry docks there is hereby appropriated the sum of eight hundred thousand dollars in addition to the appropriations contained in said provisions of the act of May fourth, eighteen hundred and ninety-eight, which may be used in carrying out the terms of this provision.

The Secretary of the Navy may employ and pay, out of the appropriation for public works herein authorized under the Bureau of Yards and Docks, such additional expert aids, draftsmen, writers, and copyists as may be

necessary for the preparation of plans and specifications, and for such services an amount not to exceed five thousand dollars is made immediately available.

For completion of buildings and other works authorized under the act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, under such plans as may be adopted by the Secretary of the Navy, not to exceed in cost one million two hundred and twenty thousand dollars, seven hundred and twenty thousand dollars.

Naval Academy.

\* \* \* \* \*

BUREAU OF MEDICINE AND SURGERY.

\* \* \* \* \*

NAVAL CEMETERY, NAVAL HOSPITAL, CHELSEA, MASSACHUSETTS: Building fence to inclose cemetery, laying out approaches and paths, caring for graves, resetting headstones, and general renovation. two thousand five hundred dollars.

Naval cemetery, Chelsea, Mass.

NAVAL HOSPITAL, CHELSEA, MASSACHUSETTS: Building annex for kitchen, bathroom, closets, and lavatories, furniture and fittings, and general renovation of hospital and appendages, forty-five thousand dollars, to be immediately available.

Annex, naval hospital, Chelsea, Mass.

BUREAU OF SUPPLIES AND ACCOUNTS.

\* \* \* \* \*

The active list of passed assistant and assistant paymasters of the Pay Corps shall hereafter consist of thirty and forty, respectively: *Provided*, That when such appointments of assistant paymasters are made from among those who served honorably as such in the late war with Spain the age limit may be increased to forty-five years.

Pay corps, increase in number of.

The officer of the Pay Corps of the Navy detailed as assistant to the Chief of the Bureau of Supplies and Accounts pursuant to the act of Congress approved July twenty-seventh, eighteen hundred and ninety-four, shall hereafter receive the highest pay of his grade.

Assistant to Chief of Bureau of Supplies and Accounts, pay of.

BUREAU OF CONSTRUCTION AND REPAIR.

\* \* \* \* \*

For construction plant, navy-yard, Pensacola, Florida: "Repairs to and improvement of construction plant at navy-yard, Pensacola, Florida, twenty-five thousand dollars."

Construction plants: Pensacola.

\* \* \* \* \*

For construction plant, naval station, Port Royal, South Carolina: "Repairs to and improvement of construction plant at naval station, Port Royal, South Carolina, twenty-five thousand dollars."

Port Royal.



Key West. "Construction plant, naval station, Key West, Florida: "Repairs to and improvement of construction plant at naval station, Key West, Florida, twenty-five thousand dollars."

\* \* \* \* \*

Submarine boats, Holland type. The act of June tenth, eighteen hundred and ninety-six, authorizing the construction, in the discretion of the Secretary of the Navy, of two submarine boats, is hereby amended so as to permit the Secretary to contract for two submarine boats of the Holland type, similar to the submarine boat Holland.

#### BUREAU OF STEAM ENGINEERING.

\* \* \* \* \*

Machinery plants: MACHINERY PLANT, NAVY-YARD, NORFOLK, VIRGINIA: Additional tools required to put the yard in condition for building and repairing modern marine machinery with economy and dispatch, fifteen thousand dollars.

Puget Sound. MACHINERY PLANT, NAVAL STATION, PUGET SOUND, WASHINGTON: Additional tools required to fit out plant for repairs of engines, boilers, and so forth, of United States naval vessels, twenty-five thousand dollars.

League Island. MACHINERY PLANT, NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: Boiler-making plant, fifteen thousand dollars.

Brooklyn. MACHINERY PLANT, NAVY-YARD, BROOKLYN, NEW YORK: Additional tools required to put the yard in condition for building and repairing modern marine machinery with economy and dispatch, fifty thousand dollars.

\* \* \* \* \*

#### MARINE CORPS.

\* \* \* \* \*

Annapolis, miscellaneous improvements at. "For erection and completion of a building for marine barracks, Annapolis, Maryland, fifty thousand dollars.

"Erection and completion of commanding officers' quarters, Annapolis, Maryland, nine thousand dollars.

"Erection and completion of two sets of officers' quarters, Annapolis, Maryland, fourteen thousand dollars.

"Clearing and grading, laying sewers, water pipes, and pavements, erecting fences and flagstaff, and otherwise improving site for marine barracks and officers' quarters, and building a bridge to connect same with Naval Academy inclosure, Annapolis, Maryland, eight thousand dollars."

\* \* \* \* \*

Increase in Marine Corps. For provisions, clothing, fuel, military stores, transportation and recruiting, forage, and hire of quarters for officers and men to be commissioned and enlisted previous to June thirtieth, eighteen hundred and ninety-nine, twenty thousand four hundred dollars, to be immediately available.

\* \* \* \* \*

## INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract three seagoing coast line battle ships, carrying the heaviest armor and most powerful ordnance for vessels of their class upon a trial displacement of about thirteen thousand five hundred tons, to be sheathed and coppered, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding three million six hundred thousand dollars each; three armored cruisers of about twelve thousand tons trial displacement, carrying the heaviest armor and most powerful ordnance for vessels of their class, to be sheathed and coppered, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million dollars each; and six protected cruisers of about two thousand five hundred tons trial displacement, to be sheathed and coppered, and to have the highest speed compatible with good cruising qualities, great radius of action, and to carry the most powerful ordnance suited to vessels of their class, and to cost, exclusive of armament, not exceeding one million one hundred and forty-one thousand eight hundred dollars each; and the contracts for the construction of each of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and not more than two of the seagoing battle ships and not more than two of the armored cruisers herein provided for shall be built in one yard or by one contracting party; and in the construction of all said vessels all of the provisions of the act of May fourth, eighteen hundred and ninety-eight, entitled "An act making appropriations for the naval establishment for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, and for other purposes," shall be observed and followed; and, subject to the provisions hereinafter made, one and not more than one of the aforesaid seagoing battle ships, and one and not more than one of the aforesaid armored cruisers shall be built on or near the coast of the Pacific Ocean or in the waters connecting therewith: *Provided*, That if it shall appear to the satisfaction of the President of the United States, from the biddings for such contracts when the same are opened and examined by him, said vessels, or either of them, can not be constructed on or near the coast of the Pacific Ocean at a cost not exceeding four per centum above the lowest accepted bid for the other battle ships or cruisers provided for in this act, he shall authorize the construction of said vessels, or either of them, elsewhere in the United States, subject to the limitations as to cost hereinbefore provided.

Three battle-ships.

Three armored cruisers.

Six protected cruisers.

Construction  
and machinery.

**CONSTRUCTION AND MACHINERY:** On account of the hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, five million nine hundred and ninety-two thousand four hundred and two dollars.

Armor and  
armament.

**ARMOR AND ARMAMENT:** Toward the armament and armor of domestic manufacture for the vessels authorized by the act of July twenty-sixth, eighteen hundred and ninety-four, of the vessels authorized under the act of March second, eighteen hundred and ninety-five, of those authorized by the act of June tenth, eighteen hundred and ninety-six, of those authorized by the act of March third, eighteen hundred and ninety-seven, of those authorized by the act of May fourth, eighteen hundred and ninety-eight, and of those authorized by this act, four million dollars: *Provided*, That in procuring armor for the seagoing coast-line battle ships and the harbor defense vessels of the monitor type, authorized by the act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, and for other purposes, approved May fourth, eighteen hundred and ninety-eight, the Secretary of the Navy may contract for suitable armor for said vessels under the limitations as to price for the same as fixed by this act: *And provided further*, That no contracts for the armor for any vessels authorized by this act shall be made at an average rate exceeding three hundred dollars per ton of two thousand two hundred and forty pounds, including royalties, and in no case shall a contract be made for the construction of the hull of any vessel authorized by this act until a contract has been made for the armor of such vessel.

Armor, limit  
of cost of.

Admiral of  
the Navy not  
retired, etc.

The President is hereby authorized to appoint, by selection and promotion, an Admiral of the Navy, who shall not be placed upon the retired list except upon his own application; and whenever such office shall be vacated by death or otherwise the office shall cease to exist.

Equipment.

**EQUIPMENT:** Toward the completion of the equipment outfit of the new vessels heretofore and herein authorized, four hundred thousand dollars.

Approved March 3, 1899.



## FIFTY-SIXTH CONGRESS, FIRST SESSION—JUNE 7, 1900.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and one, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

\* \* \* \* \*

### PAY, MISCELLANEOUS.

It is "*Provided*, That in lieu of traveling expenses and all allowances whatsoever connected therewith, including transportation of baggage, officers of the Navy traveling from point to point within the United States under orders shall hereafter receive mileage at the rate of eight cents per mile, distance to be computed by the shortest usually traveled route; but in cases where orders are given for travel to be performed repeatedly between two or more places in the same vicinity the Secretary of the Navy may, in his discretion, direct that actual and necessary expenses only be allowed. Actual expenses only shall be paid for travel under orders outside the limits of the United States in North America."

Mileage, officers.

\* \* \* \* \*

CONTINGENT, NAVY: \* \* \* A provision "to enable the Secretary of the Navy, in his discretion, to cause to be transported to their homes the remains of officers and enlisted men of the Navy and Marine Corps who die or are killed in action, ashore or afloat, outside of the continental limits of the United States, ten thousand dollars: *Provided*, That the sum herein appropriated shall be available for transportation of the remains of officers and men who have died or who have been killed while on duty at any time since April twenty-first, eighteen hundred and ninety-eight."

Remains, transportation of.

### EMERGENCY FUND, NAVY DEPARTMENT.

A provision "to meet unforeseen contingencies for the maintenance of the Navy constantly arising, to be expended at the discretion of the President, three hundred thousand dollars."

Emergency fund.

### BUREAU OF NAVIGATION.

\* \* \* \* \*

OUTFITS FOR LANDSMEN: For outfits for two thousand five hundred landsmen under training for seamen, at

Outfits for landsmen.

\*

forty-five dollars each, one hundred and twelve thousand five hundred dollars.

\* \* \* \*

Quarters for officers.

For naval training station, California (buildings): "Three sets of officers' quarters, twenty-five thousand dollars; extension of wharf, three thousand dollars; sick quarters for apprentices, one thousand five hundred dollars; additional boiler, engine, and dynamo for lighting buildings, three thousand dollars; stable, one thousand two hundred and fifty dollars; fitting storehouse for general storekeeper in basement of barracks, one thousand dollars; \* \* \*."

"NAVAL TRAINING STATION, RHODE ISLAND—BUILDINGS: For building breakwater, wharf, and sea wall for new barracks, twenty-five thousand dollars; for two thousand feet of six-inch water mains with valves complete for new barracks, four thousand eight hundred dollars; reclaiming basin northwest of main causeway, nine thousand five hundred dollars; building and furnishing storehouse for general storekeeper, ten thousand dollars; power house to be fitted with boilers, dynamos, connections, and so forth, for lighting the new barracks at this station, and a salt-water pumping outfit for fire protection to be installed in the same building, to be immediately available, nine thousand five hundred and fifty dollars; \* \* \*."

#### BUREAU OF ORDNANCE.

Gun plant.  
Washington.

ORDNANCE AND ORDNANCE STORES: \* \* \* For the gun plant at the Washington Navy-Yard, "for existing shops, fifty thousand dollars; for one new proposed shop estimated for by the Bureau of Yards and Docks, one hundred thousand dollars; for new and improved machinery for the instruction of seamen gunners, twenty-five thousand dollars; in all, gun plant at Washington, one hundred and seventy-five thousand dollars."

For new watchmen's quarters and inclosure fence for gun park at Saint Helena, Norfolk Navy-Yard, five thousand five hundred dollars.

\* \* \* \*

Puget Sound.

BUILDINGS, NAVAL STATION, PUGET SOUND: For erection and equipment of ordnance shop and two magazine buildings at Bremerton, Puget Sound Naval Station, eighty thousand dollars.

Elfrida.

ARMING AND EQUIPPING NAVAL MILITIA: \* \* \* A provision: "The Secretary of the Navy is hereby authorized and empowered to use any part of the share of moneys heretofore or herein appropriated for arming and equipping the Naval Militia forces of the State of Connecticut in repairing the boilers of United States steamship Elfrida as he, the Secretary, may deem proper and advisable."

\* \* \* \*

For naval magazine, Norfolk, Virginia: "Railroad track, lightning rods, grading, filling, ditching and draining, and other necessary improvements at the naval magazine, Saint Juliens Creek, near Norfolk, Virginia, twenty thousand dollars."

Norfolk.

NAVAL MAGAZINE, DOVER, NEW JERSEY: Improvements at the naval magazine, Dover, New Jersey, including a new storehouse and magazine, light, heat, and power plant connected with small machine shop, new wagon shed, railroad connections to new buildings and with the Morris County Railroad, water reservoir, fire system, grading, and road improvements, one hundred thousand dollars.

Dover, N. J.

\* \* \* \*

BUREAU OF EQUIPMENT.

EQUIPMENT OF VESSELS: \* \* \* For "maintaining, and repairing interior and exterior signal communications and all electrical appliances of whatsoever nature on board naval vessels, except range finders, battle order and range transmitters and indicators, and motors and their controlling apparatus used to operate the machinery belonging to other Bureaus, \* \* \*"

Electrical appliances.

For equipment plant at Cavite, Philippine Islands: "For the purchase of the necessary tools and appliances for the enlargement and for increasing the facilities of the equipment plant at Cavite, Philippine Islands, twenty thousand dollars."

Cavite, P. I., equipment.

\* \* \* \*

BUREAU OF YARDS AND DOCKS.

\* \* \* \*

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Quay wall, forty thousand dollars; grading, twenty-five thousand dollars; railroad and rolling stock, forty-five thousand dollars; sewer systems, extensions, five thousand dollars; water systems, extensions, eighteen thousand dollars; machine shop for equipment, one hundred thousand dollars; machine shop for steam engineering, fifty thousand dollars; smith shop for construction and repair, twenty-two thousand dollars; latrines, two thousand dollars; remodeling building forty-two for yards and docks, six thousand dollars; office building for construction and repair, fifteen thousand dollars; underground conduit system, eighteen thousand dollars; fire-protection system, sixty thousand dollars; in all, four hundred and six thousand dollars.

Portsmouth.



Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: Ship fitters' shop, to cost not more than two hundred thousand dollars, for which contract is hereby authorized, one hundred thousand dollars; metal workers' shop, to cost not more than two hundred thousand dollars, for which contract is hereby authorized, one hundred thousand dollars; rebuilding building forty-two, seventy-five thousand dollars; refitting and improving machine shop numbered one, building forty-two, to cost not more than one hundred thousand dollars, for which contract is hereby authorized, fifty thousand dollars; trusses under pattern-shop floor, building forty-two, ten thousand dollars; extension of building forty, equipment shops, one hundred thousand dollars; chain and anchor-storage shed for equipment, ninety thousand dollars; yards and docks shop building, ninety thousand dollars; new piers and wharves, fifty thousand dollars; paving, twenty-five thousand dollars; railroad and platform scales, five thousand three hundred dollars; crane scow, twenty thousand dollars; wharf-pillar crane, six thousand dollars; dredging, thirty thousand dollars; new caisson for stone dry dock, to be immediately available, forty thousand dollars, and the unexpended appropriation for swinging gates in the act of March third, eighteen hundred and ninety-seven, is hereby reappropriated for caisson; machine tools for yards and docks shops, five thousand dollars; electric elevators, ten thousand dollars, smithery for construction and repair, to cost not more than two hundred thousand dollars, for which contract is hereby authorized, one hundred thousand dollars; fire-protection system, sixty thousand dollars; in all, navy-yard, Boston, nine hundred and sixty-six thousand three hundred dollars.

New York.

NAVY-YARD, NEW YORK, NEW YORK: To complete railroad system with terminal bridge and float, thirty thousand dollars; quay wall, Whitney Basin, to complete, fifty thousand dollars; reconstructing building twenty-one for boathouse, to cost not more than one hundred and eighty-five thousand dollars, for which contract is hereby authorized, one hundred thousand dollars; completing the conversion of building numbered eight, twelve thousand two hundred dollars, to be immediately available; paving and grading, to continue, forty-two thousand dollars; extending yard sewers, to continue, eight thousand dollars; granite and concrete dry dock, to cost not more than one million dollars, for which contract is hereby authorized, two hundred thousand dollars; pay office and auction rooms, eighteen thousand dollars; storehouse for naval-supply fund stores, to cost not more than one hundred and fifty thousand dollars, for which contract is hereby authorized, one hundred thousand dollars; extending electric light and power plant, twenty-five thousand dollars; removing crib work, and so forth,

Cob Dock, eight thousand dollars; pumping plant, dry dock numbered three, to be immediately available, eighty thousand dollars; surgeons' office and dispensary, twelve thousand dollars; fire protection system, to cost not more than one hundred and sixty-two thousand dollars, one hundred thousand dollars; completing repairs to dry dock numbered two, three hundred thousand dollars, to be immediately available; bascule bridge, one hundred and fifteen thousand dollars; new roof for building numbered twelve, four thousand dollars; completing building numbered twenty-three (two elevators), four thousand seven hundred dollars; in all, navy-yard, New York, New York, one million two hundred and eight thousand nine hundred dollars.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To complete one pair shear legs, seventeen thousand dollars; to complete new coping for dry dock, twenty-eight thousand dollars; extension of reserve basin, to continue dredging, one hundred thousand dollars; to continue increase of electric plant, twenty thousand dollars; to complete fireproof storehouse for equipment, eighteen thousand dollars; electrical workshop and storehouse for equipment, eighty-four thousand dollars; to continue retaining wall about reserve basin, one hundred thousand dollars; grading and paving, fifteen thousand dollars; shed for combustibles, fifteen thousand dollars; machine shop for steam engineering, to cost not more than one hundred and seventy-four thousand dollars, for which contract is hereby authorized, seventy-four thousand dollars; foundry and coppersmith shop for steam engineering, to cost not more than one hundred and eighteen thousand dollars, for which contract is hereby authorized, sixty thousand dollars; boiler and blacksmith shop for steam engineering, to cost not more than one hundred and eighteen thousand dollars, for which contract is hereby authorized, sixty thousand dollars; pattern shop and storehouse for patterns for steam engineering, sixty-one thousand five hundred dollars; smithery shop for construction and repair, forty-three thousand two hundred dollars; angle smithery for construction and repair, thirty-six thousand dollars; plumbers' and coppersmiths' shop and foundry for construction and repair, to cost not more than one hundred and three thousand eight hundred and eighty dollars, for which contract is hereby authorized, sixty thousand dollars; block, cooper, and spar shops for construction and repair, to cost not more than one hundred and thirteen thousand four hundred dollars, for which contract is hereby authorized, sixty thousand dollars; fireproof shed for painting and storage of canvas, three thousand eight hundred dollars; extension of water system, eighteen thousand dollars; chain shed and anchor rack, eleven thousand dollars; trolley car and line in navy-yard, five thousand dollars; fire-

League Island.

protection system, fifty thousand dollars; in all, navy-yard, League Island, nine hundred and thirty-nine thousand five hundred dollars.

Washington. NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Extension of store numbered one, eighteen thousand dollars; paving, fifty thousand dollars; underground conduit system, thirty thousand dollars; fire-proof floors for pattern shop, fifteen thousand dollars; boiler house for heating plant, fourteen thousand five hundred dollars; skylight for north gun shop, three thousand two hundred and two dollars and thirty-two cents; storehouse for combustible material, four thousand dollars; coal shed and coal-handling appliances, forty thousand dollars; fire-protection system, forty thousand dollars; tool shop, eighty-six thousand three hundred dollars; gunner's workshop, eighty thousand eight hundred dollars; extension of forge shop and new roof, thirty-two thousand three hundred dollars; completing shop and office building for construction and repair, thirty thousand dollars; in all, navy-yard, Washington, four hundred and forty-four thousand one hundred and two dollars and thirty-two cents.

Norfolk. NAVY-YARD, NORFOLK, VIRGINIA: Quay wall north of timber basin, twenty-five thousand dollars; concrete and granite dry dock, to cost not more than one million two hundred thousand dollars, for which contract is hereby authorized, two hundred thousand dollars; remodeling machine shop for steam engineering, sixty thousand dollars; extension of locomotive crane track, fifteen thousand dollars; increasing electric plant, twenty thousand dollars; office building for steam engineering, twenty thousand dollars; storehouse for yards and docks, forty-five thousand dollars; paving and grading, twenty thousand dollars; garbage crematory, five thousand dollars; stables, seven thousand five hundred dollars; surgeons' office and dispensary, ten thousand dollars; remodeling steamfitters' and plumbers' shop for construction and repair, fifteen thousand dollars; new altars for timber dry dock, fifteen thousand dollars; laundry at Saint Helena for receiving ship, five thousand dollars; sewers, four thousand dollars; constructing ship furniture rooms in building numbered thirty, two thousand five hundred dollars; alterations in building numbered fifteen, storehouse, three thousand two hundred dollars; in all, navy-yard, Norfolk, Virginia, four hundred and seventy-two thousand two hundred dollars.

New London. NAVAL STATION, NEW LONDON, CONNECTICUT: The unexpended balance of an appropriation under the act of July seventh, eighteen hundred and ninety-eight, for coal sheds and machinery is hereby reappropriated for rebuilding wharf.

Port Royal. NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: Toward rebuilding dry dock, to cost not to exceed five hundred



thousand dollars, one hundred and fifty thousand dollars, and the Secretary of the Navy is hereby authorized to rebuild or repair said dock in concrete or stone, or both, as he may elect; condensing plant, thirty thousand dollars; fire-engine house, nine thousand dollars; grading and drainage, two thousand dollars; purchase of land, twenty-six thousand dollars; crane supports in steam-engineering machine shop, ten thousand dollars; in all, naval station, Port Royal, two hundred and twenty-seven thousand dollars.

The expenditure of the appropriations hereinbefore provided under the head of Public Works in the Bureau of Yards and Docks at the naval station, Port Royal, South Carolina, is left in the discretion of the Secretary of the Navy, who is hereby authorized and directed to forthwith appoint a board of naval officers whose duty it shall be to examine into the expediency of changing said station to some point in the State of South Carolina at or near the city of Charleston, and, if the Secretary on such examination shall decide that such change is expedient and desirable, he is authorized to expend the money hereinbefore appropriated upon such new naval station and a dock therefor having thirty feet depth of water on the sill at mean high tide; and for the purchase of a site for the same he is authorized to expend out of said appropriation a sum not to exceed one hundred thousand dollars.

NAVAL STATION, KEY WEST, FLORIDA: Building for equipment, forty-seven thousand dollars; construction and repair shop, fifty thousand dollars; floor in new machine shop, steam engineering, three thousand dollars; in all, naval station, Key West, one hundred thousand dollars.

Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Tools for yards and docks, ten thousand dollars; sewers, ten thousand dollars; sidewalks and roads, fifteen thousand dollars; water system, one hundred and seven thousand dollars; enlarging freight shed, five thousand dollars; medical dispensary, seven thousand five hundred dollars; light and power station, thirty thousand dollars; shelter roof for construction and repair, two thousand two hundred dollars; joiner shop for construction and repair, to cost not more than one hundred thousand dollars, for which contract is hereby authorized, fifty thousand dollars; anchor shed, seven thousand dollars; to continue quay wall, thirty thousand dollars; for the construction of a chapel, five thousand dollars; crane scow, twelve thousand dollars; to continue dredging, one hundred thousand dollars; foundry for construction and repair, four thousand five hundred dollars; pattern shop for construction and repair, six thousand dollars; coal storage, fifty thousand dollars; changes and extensions in electric system, twelve thousand dollars; enlargement of equipment offices, build-

Mare Island.

ing sixty-five, five thousand dollars; completing workshop and boiler house for Bureau of Equipment, ten thousand dollars; in all, navy-yard, Mare Island, four hundred and seventy-eight thousand two hundred dollars.

**PUGET SOUND.** NAVAL STATION, PUGET SOUND, WASHINGTON: Yard scow, three thousand five hundred dollars; water system, additions, twelve thousand dollars; fence about station, entrance gate, and guard quarters, fifteen thousand dollars; sewers, two thousand five hundred dollars; angle, plate, and smithery shed, twelve thousand dollars; wharf crane, five thousand dollars; fire-protection system, additions, seven thousand dollars; composition fittings for dry dock, five thousand dollars; dry-dock pumping plant, improvements, two thousand one hundred and sixty-five dollars; electric-light plant, to complete, seven thousand dollars; to continue grading, ten thousand dollars; equipment shop, eighty-five thousand dollars; coal shed and appliances, forty thousand dollars; in all, naval station, Puget Sound, Washington, two hundred and six thousand one hundred and sixty-five dollars.

**Dry dock, board to locate.** And the Secretary of the Navy is hereby authorized and directed to appoint a board of naval officers to determine the desirability of locating and constructing a dry dock on the Columbia River, Oregon, and to report such findings to the next session of the present Congress; and the sum of one thousand dollars, or so much thereof as may be necessary, is hereby appropriated to defray the expenses of said board.

**San Juan.** NAVAL STATION, SAN JUAN, PORTO RICO: Coaling facilities, thirty thousand dollars; pier, fifteen thousand dollars; dredging, two thousand dollars; electric-light plant, five thousand dollars; in all, naval station, San Juan, Porto Rico, fifty-two thousand dollars.

**Pensacola.** NAVY-YARD, PENSACOLA, FLORIDA: Hand pillar crane, seven thousand three hundred dollars; boiler and engine room, building twenty-six, for construction and repair, one thousand dollars; boiler room, building thirty-eight, for construction and repair, one thousand two hundred dollars; in all, navy-yard, Pensacola, nine thousand five hundred dollars.

**Algiers.** NAVAL STATION, ALGIERS, LOUISIANA: Shops for steam engineering, fifty thousand dollars; shops for construction and repair, ninety-five thousand dollars; in all, naval station, Algiers, one hundred and forty-five thousand dollars.

**Dry Tortugas.** DREDGING, DRY TORTUGAS, FLORIDA: Dredging channel, one hundred thousand dollars.

**Dry dock, Algiers.** DRY DOCK, ALGIERS, LOUISIANA: To complete floating dry dock for Algiers, Louisiana, six hundred and fifty thousand dollars, to be immediately available.

**Four dry docks.** FOUR DRY DOCKS: Toward completion of dry docks at navy-yards: Portsmouth, New Hampshire; Boston, Mas-

sachusetts; League Island, Pennsylvania, and Mare Island, California, nine hundred thousand dollars.

DRY DOCK, HAVANA, CUBA: The President is hereby authorized to purchase from the Government of Spain, for a sum not to exceed two hundred and seventy-five thousand dollars, the ten-thousand-ton steel floating dry dock belonging to that Government and now in the harbor of Havana, Cuba, and the sum of three hundred thousand dollars, or so much thereof as may be necessary, is hereby appropriated, out of any money in the Treasury not otherwise appropriated, for the purchase of said dock and for transferring and mooring the same in such location as may be determined upon by the President.

Dry dock  
at Havana,  
purchase of.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: Toward the construction of buildings, and for other necessary improvements, at the Naval Academy, Annapolis, Maryland, three hundred and fifty thousand dollars: *Provided*, That before any part of this sum is expended, complete plans shall be prepared and approved by the Secretary of the Navy covering all contemplated new buildings and improvements at the Naval Academy and for each and every purpose connected therewith; which plans shall involve a total expenditure of not more than eight million dollars, including the sum of one million two hundred and twenty thousand dollars heretofore appropriated and the sum herein appropriated for said buildings and improvements and for all additional land needed and required to carry out the aforesaid plans: *Provided further*, That after the preparation and approval of the plans herein provided for, the Secretary of the Navy is authorized to enter into contract or contracts for any part or all of the improvements and buildings herein authorized, within the said limit of cost, to be paid for as appropriations may from time to time be made by law.

Naval Academy.

Plans and  
improvements.

NAVAL OBSERVATORY: \* \* \*

Naval Observatory.

New Buildings: Construction on the grounds of a building suitable for a dwelling for the foreman and captain of the watch, two thousand five hundred dollars.

BUREAU OF MEDICINE AND SURGERY.

NAVAL HOSPITAL FUND: \* \* \* *Provided*, That from and after July first, nineteen hundred, all forfeitures on account of desertion shall be passed to the credit of the naval hospital fund.

Desertion,  
forfeiture for,  
to hospital  
fund.

NAVAL HOSPITAL, NEW YORK, NEW YORK: Removing old boilers, condemned as worn-out and worthless, and furnishing and installing two new boilers at naval hospital, New York, five thousand dollars.

Naval hospitals:  
New York.



Rhode Island.

NAVAL HOSPITAL, NEWPORT, RHODE ISLAND: Addition to the naval hospital at naval training station, Newport, Rhode Island, twenty thousand dollars.

Mare Island.

NAVAL HOSPITAL, MARE ISLAND, CALIFORNIA: New boiler house, boilers, and equipment for naval hospital, Mare Island, California, ten thousand dollars.

Assistant surgeons and passed assistant surgeons, increase in number and rank of.

The active list of surgeons shall hereafter consist of fifty-five, and that of passed assistant and assistant surgeons of one hundred and ten. Assistant surgeons shall rank with assistant surgeons in the Army: *Provided*, That the assistant surgeons under the age of fifty years appointed for temporary service during the war with Spain, having creditable records, who are now in the Navy may be given permanent commissions. Section thirteen of the act approved March third, eighteen hundred and ninety-nine, entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," is hereby so amended as to provide that nothing therein contained shall operate to reduce the pay which, but for the passage of said act, would have been received by any commissioned officer at the time of its passage or thereafter.

\* \* \* \* \*

#### BUREAU OF CONSTRUCTION AND REPAIR.

\* \* \* \* \*

Construction plant, Algiers, La.

For construction plant, naval station, Algiers, Louisiana: \* \* \* twenty-five thousand dollars.

#### BUREAU OF STEAM ENGINEERING.

\* \* \* \* \*

Machinery plants:

Portsmouth.

MACHINERY PLANT, NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Modern machine tools required to fit out plant for repairs of engines, boilers, and so forth, of naval vessels, twenty-five thousand dollars.

Boston.

MACHINERY PLANT, NAVY-YARD, BOSTON, MASSACHUSETTS: Additional machine tools to put the yard in condition for building and repairing modern marine machinery, fifty thousand dollars.

Mare Island.

MACHINERY PLANT, NAVY-YARD, MARE ISLAND, CALIFORNIA: Additional tools required to put the yard in condition for building and repairing modern marine machinery, fifty thousand dollars.

Algiers.

MACHINERY PLANT, NAVAL STATION, ALGIERS, LOUISIANA: Necessary machine tools required to fit up plant for repairs of engines, boilers, and so forth, of naval vessels, twenty-five thousand dollars.

Honolulu.

MACHINERY PLANT, NAVAL STATION, HONOLULU, HAWAII: Necessary machine tools required to fit up plant for repairs of engines, boilers, and so forth, of naval vessels, twenty-five thousand dollars.

MACHINERY PLANT, NAVAL STATION, SAN JUAN, PORTO RICO: Necessary machine tools required to fit up plant for repairs of engines, boilers, and so forth, of naval vessels, twenty-five thousand dollars.

San Juan.

\* \* \* \* \*

Provides: "Section four hundred and twenty-four of the Revised Statutes is hereby amended so as to read as follows: 'The Chief of the Bureau of Steam Engineering shall be appointed from the line of officers of the Navy not below the grade of lieutenant-commander, and shall be a skillful engineer.'"

Chief Bureau  
Steam Engi-  
neering, eligi-  
bility for.

NAVAL ACADEMY.

\* \* \* \* \*

FOR HEATING AND LIGHTING, NAVAL ACADEMY: For "oil, waste, and other materials for the operation, repair, and maintenance of the plant; heating and lighting apparatus and tools, \* \* \*."

Heating and  
lighting.

A provision: "Whenever any naval cadet shall have finished four years of his undergraduate course of six years the succeeding appointment may be made from his congressional district or at large in accordance with existing law."

Naval cadets,  
appointment of.

The appointees to follow the two classes of cadets now at sea may enter the Academy during the present year and those to succeed the class which is now finishing its four years of study shall be appointed before March fourth, next, to enter the Academy during the year nineteen hundred and one.

During the period of twelve years from the passage of this act any naval officer on the retired list may, in the discretion of the Secretary of the Navy, be ordered to such duty as he may be able to perform at sea or on shore, and while so employed shall receive the pay and allowances of an officer of the active list of the grade from which he was retired.

Retired offi-  
cers for duty.

MARINE CORPS.

\* \* \* \* \*

\* \* \* The money herein specifically appropriated for pay of the Marine Corps shall be disbursed and accounted for in accordance with existing law as pay of the Marine Corps, and for that purpose shall constitute one fund.

Marine Corps  
fund, account-  
ing for.

\* \* \* \* \*

FOR REPAIRS OF BARRACKS, MARINE CORPS: \* \* \* For the renting, leasing, improvement, and erection of buildings in Porto Rico, the Philippine Islands, at Guam, \* \* \*

Barracks and  
buildings—  
Porto Rico,  
Philippine Is-  
lands, Guam.

For "additions to barracks at New York, New York, fifteen thousand dollars."

New York.

- Portsmouth. Additions to barracks at Portsmouth, New Hampshire, five thousand dollars.
- Washington. Erection of a building for use of the band of the Marine Corps, and enlisted men's quarters at Headquarters, Washington, District of Columbia, four thousand five hundred dollars.
- League Island. Erection of new barracks of fireproof material at League Island, Pennsylvania, one hundred thousand dollars.
- Mare Island. Increasing the size and capacity of the naval prison, Mare Island Navy-Yard, California, fifteen thousand dollars.
- Sitka. Erection of officers' quarters at Sitka, Alaska, one thousand dollars, and the unexpended appropriation of two thousand five hundred dollars authorized in Act of June tenth, eighteen hundred and ninety-six, is hereby reappropriated for the erection of officers' quarters at Sitka, Alaska.

\* \* \* \* \*

Sewer system, Mare Island. CONTINGENT, MARINE CORPS: \* \* \* \* \* *Provided,*  
That four thousand two hundred dollars \* \* \* shall  
be applied to the restoration of the sewer system for the  
Marine Barracks, Mare Island.

#### INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed by contract two

Two battle-ships. seagoing battle ships, carrying the heaviest armor and most powerful ordnance for vessels of their class, upon a trial displacement of about thirteen thousand five hundred tons, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding three million six hundred thousand dollars each; three armored cruisers of about thirteen thousand tons trial displacement, carrying the heaviest armor and most powerful ordnance for vessels of their class, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million two hundred and fifty thousand dollars each; and three protected cruisers of about eight thousand tons trial displacement, carrying the most powerful ordnance for vessels of their class and to have the highest speed compatible with good cruising qualities, and great radius of action, and to cost, exclusive of armament, not exceeding two million eight hundred thousand dollars each; and the contract for the construction of each of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and not more than two of the vessels herein provided for shall be built in



one yard or by one contracting party; and in the construction of all said vessels all the provisions of the Act of March third, eighteen hundred and ninety-nine, entitled "An Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred, and for other purposes," shall be observed and followed; and subject to the provisions hereinafter made, two and not more than two of the aforesaid vessels shall be built on or near the coast of the Pacific Ocean, or in the waters connecting therewith: *Provided*, That if it shall appear to the satisfaction of the President from the biddings for such contracts, when the same are opened and examined by him, that said vessels, or any of them, can not be constructed on or near the coast of the Pacific Ocean at a cost not exceeding four per centum above the lowest accepted bid for the other vessels provided for in this Act, he shall authorize the construction of said vessels, or either of them, elsewhere in the United States, subject to the limitations as to cost hereinbefore provided.

CONSTRUCTION AND MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore authorized, twelve million seven hundred and forty thousand six hundred and ninety-nine dollars.

Construction and machinery.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels authorized by act of March second, eighteen hundred and ninety-five; for those authorized by the act of June tenth, eighteen hundred and ninety-six; for those authorized by the act of March third, eighteen hundred and ninety-seven; for those authorized by the act of May fourth, eighteen hundred and ninety-eight; for those authorized by the act of March third, eighteen hundred and ninety-nine, and for those authorized by this act, four million dollars: *Provided*, That the Secretary of the Navy is hereby authorized to procure by contract armor of the best quality for any or all vessels above referred to, provided such contracts can be made at a price which in his judgment is reasonable and equitable; but in case he is unable to make contracts for armor under the above conditions, he is hereby authorized and directed to procure a site for and to erect thereon a factory for the manufacture of armor, and the sum of four million dollars is hereby appropriated toward the erection of said factory.

Armor and armament.

Armor factory, provision for.

The Secretary of the Navy is hereby authorized and directed to contract for five submarine torpedo boats of the Holland type of the most improved design, at a price not to exceed one hundred and seventy thousand dollars each: *Provided*, That such boats shall be similar in dimensions to the proposed new Holland, plans and specifications of which were submitted to the Navy Department by the Holland Torpedo Boat Company November twenty-third, eighteen hundred and ninety-nine.

Five submarine torpedo boats.

The said new contract and the submarine torpedo boats covered by the same are to be in accordance with the stipulations of the contract of purchase made April eleventh, nineteen hundred, by and between the Holland Torpedo Boat Company, represented by the Secretary of said company, the party of the first part, and the United States, represented by the Secretary of the Navy, the party of the second part.

EQUIPMENT: Toward the completion of the equipment outfit of the new vessels heretofore authorized, four hundred thousand dollars.

Approved, June 7, 1900.

# FIFTY-SIXTH CONGRESS, SECOND SESSION—MARCH 3, 1901.

[PUBLIC—No. 157.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and two, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

## PAY OF THE NAVY.

A provision: “\* \* \* Fifty thousand dollars is hereby made immediately available for pay of additional men and warrant machinists: *Provided*, That officers of the Navy, and officers and enlisted men of the Marine Corps, who have been detailed, or may hereafter be detailed, for shore duty in Alaska, the Philippine Islands, Guam, or elsewhere beyond the continental limits of the United States, shall be considered as having been detailed for “shore duty beyond seas,” and shall receive pay accordingly, with such additional pay as may be provided by law for service in island possessions of the United States.

Officers, duty in Alaska and Philippines, pay for.

“That the advancement in rank of officers of the Navy and Marine Corps, whensoever made, for service rendered during the war with Spain, pursuant, respectively, to the provisions of sections fifteen hundred and six and sixteen hundred and five of the Revised Statutes, shall not interfere with the regular promotion of officers otherwise entitled to promotion, but officers so advanced, by reason of war service, shall, after they are promoted to higher grades, be carried thereafter as additional to the numbers of each grade to which they may at any time be promoted; and each such officer shall hereafter be promoted in due course, contemporaneously with and to take rank next after the officer immediately above him; and all advancements made by reason of war service shall be appropriately so designated upon the official Navy list: *Provided, however*, That no promotion shall be made to fill a vacancy occasioned by the promotion, retirement, death, resignation, or dismissal of any officer who, at the time of such promotion, retirement, death, resignation, or dismissal, is an additional member of his grade under the foregoing provisions.”

Advancement in rank.

of. i promotions

\* \* \* \* \*

## BUREAU OF NAVIGATION.

\* \* \* \* \*

To reimburse the appropriation “Naval training station, California, nineteen hundred and one,” for the cost



of securing a supply of fresh water from Oakland, California, six thousand four hundred and fifty-nine dollars and thirty-two cents, to be immediately available.

\* \* \* \* \*

Civilian lecturers at War College.

For the services of a lecturer on international law, one thousand dollars; for the services of civilian lecturers from universities and colleges rendered at the War College, six hundred dollars, and for the purchase of books of reference, four hundred dollars; in all, two thousand dollars.

\* \* \* \* \*

#### BUREAU OF ORDANCE.

\* \* \* \* \*

Gun factory workshop.

For "new and improved machinery for existing shops of the naval gun factory at the Washington Navy-Yard, fifty thousand dollars."

For new and improved machinery for the proposed new workshop at the Washington Navy-Yard, estimated for by the Bureau of Yards and Docks, one hundred thousand dollars.

Coal machinery.

For automatic coal-conveying machinery and apparatus complete for the boiler-house stokers at the naval gun factory, nine thousand eight hundred and forty-nine dollars.

Forge shop.

For equipment of the forge shop at the naval gun factory after extension and remodeling, as estimated for by the Bureau of Yards and Docks, including twenty-five ton crane and runways, steam hammer, small hammers, piping, wiring, and motors, forty thousand dollars.

Workshops.

Tools, machinery, and motive power for ordnance workshops and gun-carriage buildings at the navy-yard, Mare Island, California, twenty-four thousand dollars.

Battery for Baltimore.

For new and improved battery for the Baltimore, one hundred and seventy-five thousand dollars.

\* \* \* \* \*

Marine Corps.

For arms and equipment of United States Marine Corps: "For small arms, machine and rapid-fire guns, accouterments, and ammunition therefor, for use of the United States Marine Corps, one hundred thousand dollars."

Naval proving ground.

NAVAL PROVING GROUND: For the purchase of additional land for the naval proving ground at Indian Head, twenty-five thousand dollars.

Ammunition lighter.

NAVAL STATION, PUGET SOUND, WASHINGTON: For purchase of an ammunition lighter for ordnance purposes at the naval station, Puget Sound, eighteen thousand dollars.

\* \* \* \* \*

BUREAU OF EQUIPMENT.

\* \* \* \* \*

DEPOTS FOR COAL:

A Provision: To enable the Secretary of the Navy "to acquire land for a naval station and harbor and channel defense at Pearl Harbor, Hawaii, \* \* \*."

Pearl Harbor  
Naval Station.

For maintenance of colliers, nineteen hundred and two: "For pay, transportation, shipping, and subsistence of civilian officers and crews of naval colliers, and all expenses connected with naval colliers employed in emergencies which can not be paid from other appropriations, three hundred and fifty thousand dollars."

Colliers,  
maintenance  
of.

\* \* \* \* \*

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Quay wall, to extend, fifty thousand dollars; grading, to continue, twenty-five thousand dollars; railroad and rolling stock, additions, ten thousand dollars; sewer systems, extensions, nine thousand dollars; water systems, extensions, six thousand dollars; latrines, two thousand dollars; extension of office building for construction and repair, and for fireproof construction, twenty thousand dollars; floating derrick, twenty thousand dollars; coal storage at electric and dry dock plants, ten thousand dollars; repairing reservoir and cleaning ponds, two thousand dollars; reconstructing building numbered sixty for boat shop and storage, seventy thousand dollars; improvement to ship-fitters' shop, numbered forty-five, twenty thousand dollars; coal storage near building numbered forty-six, eight thousand five hundred dollars; storehouse for general supplies (to cost not more than one hundred and fifty thousand dollars, for which contract is hereby authorized), seventy-five thousand dollars; office building for steam engineering, fifteen thousand dollars; elevators in storehouses numbered one and two, eight thousand dollars; improvements to ordnance building numbered twenty-two, ten thousand eight hundred and fifty dollars; tools for yards and docks, two thousand dollars; elevator, shelves, and so forth, for yard dispensary, five hundred dollars; to enable the Secretary of the Navy to prepare specifications and obtain proposals from responsible contractors for removing Henderson's Point, so as to improve the approach to the navy-yard at Portsmouth, New Hampshire, to a depth of not exceeding thirty-five feet below mean low water for a distance of not exceeding three hundred and fifty feet, the proposals to be submitted to Congress at its next ses-

Portsmouth.

sion, one thousand dollars; in all, three hundred and sixty-four thousand eight hundred and fifty dollars.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: Ship-fitters' shop, toward completion, fifty thousand dollars; metal workers' shop toward completion, fifty thousand dollars; refitting and improving machine shop numbered one, building forty-two, to complete, fifty thousand dollars; new piers and wharves, twenty-five thousand dollars; paving, twenty-five thousand dollars; dredging, twenty-five thousand dollars; electric elevators, ten thousand dollars; smithery for construction and repair, toward completion, fifty thousand dollars; fire-protection system, fifty-two thousand dollars; sawmill and spar shed (to cost not more than two hundred thousand dollars, for which contract is hereby authorized), seventy-five thousand dollars; repairs to large chimney, building numbered forty-two, eight thousand dollars; water-closets for building numbered forty-two, two thousand five hundred dollars; coal storage for steam engineering, five thousand dollars; central heating system, thirty-five thousand dollars; water system, extensions, ten thousand dollars; sewer system, extensions, five thousand dollars; electric-light plant, extensions, six thousand dollars; railroad system, extensions, six thousand dollars; coal-storage and coal-handling plant, extensions, thirty-five thousand dollars; extension of naval prison, to be immediately available, twenty-six thousand five hundred dollars; in all, navy-yard, Boston, five hundred and fifty-one thousand dollars.

New York.

NAVY-YARD, NEW YORK, NEW YORK: Reconstructing building numbered twenty-one for boathouse, to complete, to be immediately available, eighty-five thousand dollars; paving and grading, twenty thousand dollars; granite and concrete dry dock, to continue, three hundred thousand dollars; fire-protection system, sixty thousand dollars; dredging, twenty-five thousand dollars; coal-storage and coal-handling plant, one hundred thousand dollars; railroad system, extensions, fifteen thousand dollars; piers on Cob Dock, eighty-eight thousand dollars; ordnance storehouse on Cob Dock, ninety thousand dollars; slip for ordnance, Cob Dock, fifty thousand dollars; elevator and stair railings, oil storehouse numbered one hundred and twenty, three thousand five hundred dollars; electric motors for building numbered two, two thousand five hundred dollars; extending building numbered twenty-three, thirty thousand dollars; reconstructing building numbered nineteen (to cost not more than one hundred and eighty-five thousand dollars, for which contract is hereby authorized), one hundred thousand dollars; quay wall, Cob Dock, extension, forty thousand dollars; in all, navy-yard, New York, New York, one million and nine thousand dollars.



League Is-  
land.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: Extension of reserve basin, to continue dredging, fifty thousand dollars; electrical workshop and storehouse for equipment, to complete, to be immediately available, thirty-three thousand dollars; to continue retaining wall about reserve basin, fifty thousand dollars; grading and paving, fifteen thousand dollars; machine shop for steam engineering, to complete, seventy-five thousand dollars; foundry and coppersmith shop for steam engineering, to complete, fifty-eight thousand dollars; boiler and blacksmith shop for steam engineering, to complete, fifty-eight thousand dollars; plumbers and coppersmiths' shop and foundry for construction and repair, to complete, forty-three thousand eight hundred and eighty dollars; block, cooper, and spar shops for construction and repair, to complete, fifty-three thousand four hundred dollars; extension of pier numbered two, fifty-nine thousand dollars; storehouse for naval supplies (to cost not more than two hundred and twenty-four thousand six hundred and forty dollars, for which contract is hereby authorized), seventy-five thousand dollars; workshop and boiler house for ordnance, to extend, forty-two thousand dollars; equipment for railroad, ten thousand dollars; sewers, eight thousand five hundred dollars; roadway and retaining wall at yard entrance, twenty-five thousand dollars; heating apparatus for building numbered eight, four thousand eight hundred dollars; railroad-track scales, three thousand four hundred dollars; extension of sea wall, eleven thousand dollars; parapet in front of officers' quarters, three thousand dollars; electric elevators, seven thousand two hundred and fifty dollars; outbuildings and fences, officers' quarters, two thousand dollars; garbage-incinerating plant, eight thousand dollars; in all, navy-yard, League Island, six hundred and ninety-five thousand two hundred and thirty dollars.

Washington.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Paving, twenty-five thousand dollars; underground conduit system, to complete, twenty-two thousand dollars; electric-light plant, to extend, twenty thousand dollars; miscellaneous shop for ordnance, eighty-six thousand three hundred dollars; seamen gunners' shop, forty thousand dollars; alterations and new roof, ordnance boiler house, forty-two thousand six hundred dollars; fireproof storage for fuses, acids, paints, and so forth, nine thousand dollars; extension and remodeling of forge shop, seventy-three thousand three hundred and ten dollars; in all, navy-yard, Washington, three hundred and eighteen thousand two hundred and ten dollars.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Concrete and granite dry dock, to continue, three hundred thousand dollars; paving and grading, to continue, fifteen thousand dollars; sewers, five thousand dollars; quay wall for fitting-

out basin, to continue, seventy-five thousand dollars, to be immediately available; mooring slips at Saint Helena, forty thousand dollars; locomotive crane track, renewing, fifteen thousand dollars; railroad tracks, ten thousand dollars; alterations in plumbers' shop, building numbered nine, ten thousand dollars; machinery and tools for yards and docks, two thousand dollars; railroad rolling stock, three thousand dollars; telephone system, one thousand dollars; pattern shop and storehouse, thirty thousand dollars; bridge between buildings numbered thirty-two and thirty-three, seven hundred and sixty dollars; fire-proof shed for painting and storage of canvas, five thousand dollars; shops and storehouse for equipment, eighty thousand dollars; anchor park, two thousand five hundred dollars; in all, navy-yard, Norfolk, Virginia, five hundred and ninety-four thousand two hundred and sixty dollars.

Key West.

NAVAL STATION, KEY WEST, FLORIDA: Storehouse for supplies and accounts, sixty thousand dollars; storehouse for oils, turpentine, and so forth, five thousand dollars; smith shop, for steam engineering, eight thousand dollars; elevated tank for storing fresh water, six thousand dollars; filling, grading, and fencing, ten thousand dollars; quay wall, fifty thousand dollars; fire-protection system, five thousand dollars; in all, naval station, Key West, one hundred and forty-four thousand dollars.

Mare Island.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Joiner shop for construction and repair, to complete, fifty thousand dollars; to continue quay wall, fifty thousand dollars; to continue dredging, fifty thousand dollars; paving, twenty-five thousand dollars; sewers and closets, five thousand dollars; storage shed for yards and docks, extension, five thousand dollars; storehouse for supplies and accounts, extension, forty thousand dollars; extension and renewal of railroad, five thousand dollars; offices for yards and docks, two thousand dollars; fire-protection system, forty-two thousand dollars; floor for building numbered fifty-two, five thousand dollars; improvements to forty-ton crane, three thousand dollars; drill room at receiving ship, nine thousand dollars; fence at northern end of yard, three thousand five hundred dollars; shelter roof for boats, improvements to, three thousand one hundred dollars; laboratory in building numbered fifty-one, one thousand five hundred dollars; new floor for building numbered fifty-three, two thousand dollars; improvements to building numbered sixty-nine, one thousand and fifty dollars; improvements to building numbered seventy-one, three thousand eight hundred and sixty dollars; testing room for construction and repair, six hundred and fifty dollars; pumping and fire boat, twenty-five thousand dollars; in all, navy-yard, Mare Island, three hundred and thirty-one thousand six hundred and sixty dollars.

NAVAL STATION, PUGET SOUND, WASHINGTON: Sewers, extensions, four thousand dollars; to continue grading, twenty thousand dollars; coal shed and appliances, seventy-five thousand dollars; sick quarters, seven thousand dollars; carpenter and joiner shop for yards and docks, ten thousand dollars; machinery for carpenter and joiner shop, three thousand dollars; extension of dry dock boiler plant, twenty thousand dollars; stable and tool shed, six thousand five hundred dollars; fire-protection system, ten thousand dollars; electric-light plant, extensions, five thousand dollars; telephone system, extensions, three thousand dollars; railroad and equipment, extensions, two thousand dollars; clearing and stumping, five thousand dollars; roadway about dry dock, six thousand dollars; dolphins, one thousand dollars; new skylight for construction and repair shop, four thousand dollars; joiner shop for construction and repair, seventy thousand dollars; water-closets and wash room for steam engineering, two thousand dollars; floor for steam-engineering shop, ten thousand dollars; storehouse for high explosives, ordnance, five thousand dollars; wharf crane for ordnance, one thousand five hundred dollars; quarters for gunner, three thousand dollars; in all, naval station, Puget Sound, Washington, two hundred and seventy-three thousand dollars.

Puget Sound.

NAVAL STATION, SAN JUAN, PORTO RICO: Coaling facilities, extensions, forty thousand dollars.

San Juan.

NAVY-YARD, PENSACOLA, FLORIDA: Motor for building numbered nine, one thousand five hundred dollars; extension of permanent wharf, fifteen thousand dollars; coal-storage plant, increase, twenty-five thousand dollars; in all, navy-yard, Pensacola, forty-one thousand five hundred dollars.

Pensacola.

NAVAL STATION, ALGIERS, LOUISIANA: Shops and offices for equipment, eighty thousand dollars; coal-storage plant, one hundred and fifty thousand dollars; for purchase of land, one hundred thousand dollars; in all, naval station, Algiers, three hundred and thirty-thousand dollars: *Provided*, That the Secretary of the Navy may, if he deems it for the best interests of the United States, proceed and acquire title to the land herein authorized to be purchased by condemnation thereof, by judicial proceedings to be commenced in the appropriate circuit court of the United States, which court shall, for the purpose of ascertaining the true value of the said land and buildings, appoint three commissioners, who shall be competent and disinterested appraisers, and all the proceedings for the condemnation aforesaid shall be in accordance, except as herein provided, with the act of Congress of August first, eighteen hundred and eighty-eight, entitled "An act to authorize condemnation of land for sites of public buildings, and for other purposes."

Algiers.



Dry Tortugas. DREDGING, DRY TORTUGAS, FLORIDA: Dredging channel, one hundred thousand dollars.

FOUR DRY DOCKS: Toward completion of dry docks at navy-yards: Portsmouth, New Hampshire; Boston, Massachusetts; League Island, Pennsylvania, and Mare Island, California, one million dollars.

Pearl Harbor. NAVAL STATION, HAWAII: Machine shop, fifty thousand dollars; smithery and foundry, twenty-five thousand dollars; commandant's house and stables, fifteen thousand dollars; extending office building, three thousand dollars; cottage for watchman, two thousand five hundred dollars; grading and fencing, ten thousand dollars; ten-ton wharf crane, eight hundred dollars; water-pipe system, one thousand dollars; in all, naval station, Hawaii, one hundred and seven thousand three hundred dollars.

Tutuila. NAVAL STATION, TUTUILA: Coal-storage plant, extensions, two hundred thousand dollars; grading, twenty-five thousand dollars; in all, naval station, Tutuila, two hundred and twenty-five thousand dollars.

Charleston. NAVAL STATION, CHARLESTON, SOUTH CAROLINA: Dry dock, authorized by act of June seventh, nineteen hundred, which shall be of concrete and stone, to cost not more than one million two hundred and fifty thousand dollars, for which contract is hereby authorized, one hundred and fifty thousand dollars; and all appropriations for public works at the naval station, Port Royal, made prior to the act of June seventh, nineteen hundred, which have not been expended are hereby authorized to be expended for the transfer of such station to and the construction of public works at the naval station, Charleston, South Carolina, in the discretion of the Secretary of the Navy.

\* \* \* \* \*

Additional draftsmen, etc. The Secretary of the Navy may employ and pay out of appropriations for "Public Works, Navy-Yards, and Stations," such additional expert aids, draftsmen writers, and copyists as may be necessary for the preparation of plans and specifications.

Porto Rico, naval station, location of. The Secretary of the Navy is hereby directed to have the coast and the waters of the island of Porto Rico examined into and to report to the next Congress upon the advisability of establishing a United States naval station on said coast; the most suitable place for the same, considering, among other things, the topographical and strategic situation of this island with reference to the United States and the proposed Nicaragua Canal, and the estimated immediate cost of the same.

Naval station, Philippines, location of. The Secretary of the Navy is hereby directed to have the coast and the waters of the Philippine Islands examined into and to report to the next Congress upon the advisability of establishing a United States naval station on said coast and the most suitable place for the same.

For establishing and marking the boundary line of the property of the Government on Blythe Island, in the State of Georgia, to lay out a rifle range upon the same, and construct a boat landing, two thousand dollars; and the Secretary of the Navy is hereby directed to report to the next Congress as to the condition and extent of any Government property at said Blythe Island, Georgia; whether the title to the same is good, and whether it is adapted to the necessary wants of the Navy Department.

Rifle range,  
Blythe Island.

PUBLIC WORKS—BUREAU OF NAVIGATION.

NAVAL ACADEMY: Buildings and grounds, Naval Academy: Toward the construction of buildings, and for other necessary improvements, at the Naval Academy, Annapolis, Maryland, as authorized by the act of Congress approved June seventh, nineteen hundred, and in accordance with the plans approved by the Secretary of the Navy, nineteen hundred, three million dollars.

Naval Academy.

*Provided*, That the Secretary of the Navy may, if he deems it for the best interests of the United States, proceed and acquire title to the land and buildings authorized to be purchased under the act of Congress approved June seventh, nineteen hundred, by condemnation thereof by judicial proceedings to be commenced in the appropriate circuit court of the United States, which court shall, for the purpose of ascertaining the true value of the said land and buildings, appoint three commissioners, who shall be competent and disinterested appraisers, and all the proceedings for the condemnation aforesaid shall be in accordance, except as herein provided, with the act of Congress of August first, eighteen hundred and eighty-eight, entitled "An act to authorize condemnation of land for sites of public buildings, and for other purposes."

Land, purchase of.

NAVAL TRAINING STATION, CALIFORNIA (BUILDINGS): Swimming tank, four thousand five hundred dollars; revetting main road, one thousand five hundred dollars; in all, six thousand dollars.

Naval training station,  
California.

NAVAL TRAINING STATION, RHODE ISLAND (BUILDINGS): Extending and completing breakwater and sea wall, and filling in in front of new barracks, to be immediately available, nineteen thousand five hundred dollars; making roads and sidewalks, and paving approaches to new barracks, four thousand seven hundred dollars; coal shed and coal-handling appliances, three thousand five hundred dollars; reclaiming bay at south end of island, building sea wall, and repairing sea wall; and repairing and extending wharf, seven thousand nine hundred dollars; for erection of a house and necessary appurtenances over swimming tank, now under construction for apprentices, to be immediately available, three thousand five hundred dollars; for extending capacity of storehouse to include fireproof oil rooms fitted with steel storage tanks, and

to outfit building with lighting, plumbing, and heating systems and fireproof shelving, partitions, and lockers, to be immediately available, nine thousand eight hundred and seventy dollars; reclaiming two stagnant water basins and leveling bank near the hospital, three thousand two hundred dollars; in all, naval training station, Rhode Island, fifty-two thousand one hundred and seventy dollars.

In all, "Public Works, Bureau of Navigation," three million fifty-eight thousand one hundred and seventy dollars.

#### PUBLIC WORKS—BUREAU OF ORDNANCE.

Naval magazines, Iona Island.

NAVAL MAGAZINE, IONA ISLAND, NEW YORK: For additional buildings, extension of railroad to northwestern end of island, grading, sea wall, and general improvements, one hundred thousand dollars.

Dover.

Naval magazine, Dover, New Jersey: Improvements at the naval magazine, Dover, New Jersey, including a fixed-ammunition house, a shell house, clearing and grading land, road building, and general improvements, including a compressed-air plant and air locomotive, sixty-five thousand dollars.

Fort Mifflin.

Naval magazine, Fort Mifflin, Pennsylvania: For one magazine and one shell house at the naval magazine, Fort Mifflin, Pennsylvania, with track connections, lightning conductors, and the necessary appurtenances, fifty-six thousand dollars.

Norfolk.

Naval magazine, Norfolk, Virginia: For improvements at the naval magazine, Saint Juliens Creek, near Norfolk, Virginia, namely: Shell house, store or issuing house, wharf, derrick, lightning conductors, cistern, railroad extension, grading, concreting, and other necessary objects to properly complete the work, sixty thousand five hundred dollars.

Torpedo station.

Naval torpedo station, Newport, Rhode Island: One administration building for use in instruction of classes of enlisted men and officers, to contain offices, lecture rooms, overhauling room, and storeroom for torpedoes, to be immediately available, twenty-five thousand dollars; in all, naval torpedo station, Newport, Rhode Island, twenty-five thousand dollars.

Proving ground.

Naval proving ground, Indian Head, Maryland: One building for chronograph and record office, four thousand dollars; one building for surgeon's office and dispensary, and equipment of same, seven thousand six hundred dollars; in all, naval proving ground, Indian Head, eleven thousand six hundred dollars.

In all, public works, Bureau of Ordnance, three hundred and eighteen thousand one hundred dollars.

Naval Observatory.

NAVAL OBSERVATORY: For grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars; for the purchase of lands lying within the Observatory circle, as



established by the joint resolution of August first, eighteen hundred and ninety-four, one hundred and forty-nine thousand five hundred and seventy-one dollars and eight cents; and the Secretary of the Navy is authorized to sell, at such time and in such manner as may be most advantageous, but at prices not less than those fixed in eighteen hundred and ninety-four, by the board of appraisers of which John W. Ross was chairman, such lands of the Naval Observatory reservation as are situated without the limits of said circle.

For the expenses of the board of visitors to the Naval Observatory, two thousand dollars. There shall be appointed by the President, by and with the advice and consent of the Senate, from persons not officers of the United States a board of six visitors to the Naval Observatory, four to be astronomers of high professional standing and two to be eminent citizens of the United States. Appointments to this board shall be made for periods of three years, but provision shall be made by initial appointments for shorter terms so that two members shall retire in each year. Members of this board shall serve without compensation, but the Secretary of the Navy shall pay the actual expenses necessarily incurred by members of the board in the discharge of such duties as are assigned to them by the Secretary of the Navy or are otherwise imposed upon them. The board of visitors shall make an annual visitation to the Observatory at a date to be determined by the Secretary of the Navy, and may make such other visitations not exceeding two in number annually by the full board or by a duly appointed committee as may be deemed needful or expedient by a majority of the board. The board of visitors shall report to the Secretary of the Navy at least once in each year the result of its examinations of the Naval Observatory as respects the condition of buildings, instruments, and apparatus, and the efficiency with which its scientific work is prosecuted, and shall also report as respects the expenditures in the administration of the Observatory. The board of visitors shall prepare and submit to the Secretary of the Navy regulations prescribing the scope of the astronomical and other researches of the Observatory and the duties of its staff with reference thereto. When an appointment or detail is to be made to the office of astronomical director, director of the Nautical Almanac, astronomer, or assistant astronomer, the board of visitors may recommend to the Secretary of the Navy a suitable person to fill such office, but such recommendation shall be determined only by the majority vote of the members present at a regularly called meeting of the board held in the city of Washington. The Superintendent of the Naval Observatory shall be, until further legislation by Congress, a line officer of the Navy of a rank not below that of captain.

Board of  
Visitors.

## BUREAU OF MEDICINE AND SURGERY.

Naval hos-  
pital, Newport,  
improvements.

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For naval hospital, Newport, Rhode Island: "Filling pond, grading grounds, and additional appropriation for addition to naval hospital at naval training station, Newport, Rhode Island, twenty thousand dollars, to be immediately available."

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## BUREAU OF CONSTRUCTION AND REPAIR.

Naval sta-  
tion, Philip-  
pines, location  
of.

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The Secretary of the Navy is hereby directed to have the coast and the waters of the Philippine Islands examined into and to report to the next Congress upon the advisability of establishing a United States naval station on said coast and the most suitable place for the same.

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## STEAM ENGINEERING.

Machinery  
plants: League  
Island.

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MACHINERY PLANT: Navy-yard, League Island, Pennsylvania: To equip the entire new system of steam engineering shops, being constructed under appropriation made to the Bureau of Yards and Docks, for building and repairing modern marine machinery, including the power plant and necessary machine tools, cranes, and appliances for handling work, to cost not more than two hundred and thirty thousand dollars, one hundred thousand dollars.

Mare Island.

MACHINERY PLANT: Navy-yard, Mare Island, California: To equip the entire new system of steam engineering shops being constructed under appropriation made to the Bureau of Yards and Docks, for building and repairing modern marine machinery, including the power plant and necessary machine tools, cranes, and appliances for handling work, to cost not more than one hundred and eighty thousand dollars, one hundred thousand dollars.

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## NAVAL ACADEMY.

Special  
course of study  
for cadets.

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For special course of study and training of naval cadets, \* \* \*. For the purchase or construction of catboats for the special instruction of cadets, \* \* \*.

REPAIRS, NAVAL ACADEMY: \* \* \*. For "temporary quarters and recitation rooms for cadets, \* \* \*."

Warrant off-  
icers, appoint-  
ment of, as en-  
signs.

Provided, "whenever, in view of the vacancies in the grade of ensign on July thirtieth of any year unfilled by graduates of the Naval Academy, the Secretary of the Navy shall so recommend, the President may appoint to

that grade, as of July thirtieth, from among the boat-swains, gunners, or warrant machinists, not exceeding six in any one calendar year. No person shall be so appointed who is over thirty-five years of age; who has served less than six years as a warrant officer; who is not recommended by a commanding officer under whom he has served; nor until he shall have passed such competitive examination as may be prescribed by the Navy Department."

MARINE CORPS.

PROVISIONS, MARINE CORPS: \* \* \* *Provided*, That when it is impracticable or the expense is found greater to supply marines serving on shore duty in the island possessions and on foreign stations with the army ration, such marines may be allowed the navy ration or commutation therefor.

Navy rations issued to.

\* \* \* \* \* Construction of marine barracks on the land attached to the Naval Academy, Annapolis, Maryland, seventy-five thousand dollars.

Marine barracks and construction work.

Construction of commanding officer's and junior officers' quarters on the land attached to the Naval Academy, Annapolis, Maryland, ten thousand dollars.

Naval Academy.

Construction of fireproof buildings for offices, headquarters Marine Corps, Washington, District of Columbia, fifty thousand dollars.

Washington.

Construction of a marine barracks and officers' quarters at the naval station, Algiers, Louisiana, fifteen thousand dollars.

Algiers, La.

Construction of a boiler house, lavatory, and connecting bridge, installation of steam heat, and addition of a third story over two wings of marine barracks, navy-yard, Brooklyn, New York, twenty-eight thousand dollars.

Brooklyn.

\* \* \* \* \* That hereafter the enlistments into the Marine Corps shall be for a period of not less than four years.

Enlistment, length of.

INCREASE OF THE NAVY.

That, for the purpose of further increasing the naval establishment of the United States, in accordance with the latest improvements in the construction of ships and the production of armor and armament therefor, the Secretary of the Navy is hereby directed to prepare the plans and specifications of two seagoing battle ships and two armored cruisers, carrying the most suitable armor and armament for vessels of their class, and to submit to Congress a general description of such battle ships and cruisers on the first Monday in December next; and said Secretary, in preparing said plans and description, shall review and further consider the questions whether said

Two battle-ships and two armored cruisers.



ships should be sheathed or unsheathed; what should be the weight and extent of the armor therefor; what should be the form and location of the turrets; whether any changes should be made in the number and kind of guns of the various sizes heretofore constituting the armament of similar ships; what, if any, torpedo tubes should be built into large ships; to what extent electricity should be used for auxiliary purposes, and all other questions which have arisen and are now pending among naval architects and ordnance experts concerning the construction of battle ships and cruisers under modern conditions; and said Secretary shall, to such an extent as he may deem expedient, report to Congress in connection with said description his opinion upon the foregoing questions; and the Secretary of the Navy is hereby authorized to exercise his discretion as to the sheathing and coppering of naval vessels herein and heretofore authorized to be built.

Penalties  
remitted on  
Ericsson.

That the Secretary of the Navy is hereby authorized and directed to remit to the Iowa Iron Works, of Dubuque, Iowa, the time penalties exacted by the Navy Department under the contract with said company for the construction of the torpedo boat Ericsson, the Government having suffered no damage by the delay in the construction, and a sum sufficient for that purpose is hereby appropriated, out of any money in the Treasury not otherwise appropriated, not exceeding, however, the sum of seventeen thousand two hundred and twenty-five dollars.

Construction  
and machinery.

**CONSTRUCTION AND MACHINERY:** On account of the hulls and outfits of vessels and steam machinery of vessels heretofore authorized, twenty-one million dollars.

Armor and  
armament.

**ARMOR AND ARMAMENT:** Toward the armament and armor of domestic manufacture for the vessels authorized by the act of June tenth, eighteen hundred and ninety-six; those authorized by the act of March third, eighteen hundred and ninety-seven; for those authorized by the act of May fourth, eighteen hundred and ninety-eight; for those authorized by the act of March third, eighteen hundred and ninety-nine, and for those authorized by the act of June seventh, nineteen hundred, four million dollars.

Equipment.

**EQUIPMENT:** Toward the completion of the equipment outfit of the new vessels heretofore authorized, four hundred thousand dollars.

Assignments  
to command,  
classification  
of vessels and  
rules govern-  
ing.

That the President of the United States be, and he is hereby, authorized to establish, and from time to time to modify, as the needs of the service may require, a classification of vessels of the Navy, and to formulate appropriate rules governing assignments to command of vessels and squadrons.

Approved, March 3, 1901.

FIFTY-SEVENTH CONGRESS, FIRST SESSION—JULY 1, 1902.

[PUBLIC—No. 234.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and three, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

CONTINGENT, NAVY: \* \* \*. Provides "that the un-  
expended balance of the appropriation of ten thousand  
dollars made in the act approved June seventh, nineteen  
hundred, to enable the Secretary of the Navy, in his dis-  
cretion, to cause to be transported to their homes the  
remains of officers and enlisted men of the Navy and Ma-  
rine Corps who die or are killed in action, ashore or  
afloat, outside of the continental limits of the United  
States, be, and the same is hereby, made available until  
used.

Transporta-  
tion of remains  
of officers and  
enlisted men.

EMERGENCY FUND, NAVY DEPARTMENT.

\* \* \* *Provided*, That the accounting officers of the  
Treasury are hereby authorized and directed to allow, in  
the settlement of the accounts of disbursing officers in-  
volved, payments made under the appropriation "Emer-  
gency fund" to civilian employees appointed by the Navy  
Department for duty in and serving at naval stations  
maintained in the island possessions during the fiscal  
year nineteen hundred and two, and until such time as  
Congress shall make specific appropriation for the pay  
of such employees.

Civilian em-  
ployees, pay of,  
in island pos-  
sessions.

The Secretary of the Navy, in his discretion, is author-  
ized to pay all civilian employees appointed for duty in  
the Philippine, Hawaiian, and Samoan islands, the island  
of Guam, and the island of Porto Rico, from the date of  
their sailing from the United States until they report  
for duty to the officer under whom they are to serve, and  
while returning to the United States by the most direct  
route and with due expedition, a per diem compensation  
corresponding to their pay while actually employed; and  
in cases where the appointee is not to fill an existing  
vacancy his pay while traveling may be charged to the  
annual appropriation of the bureau concerned.

BUREAU OF NAVIGATION.

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For outfits on first enlistment: "Outfits for all en-  
listed men of the Navy on first enlistment, other than

Outfits for  
enlisted men.

naval apprentices, hospital apprentices, and landsmen under training for seamen, three thousand men, at forty-five dollars each, one hundred and thirty-five thousand dollars."

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Naval training station on Great Lakes.

For naval training station, Great Lakes: "The Secretary of the Navy is hereby directed to appoint a board, composed of naval officers, whose duty it shall be to select on the Great Lakes a suitable site for an additional naval training station, and, having selected such site, if upon private lands, to estimate its value and ascertain, as nearly as practicable, the cost for which it can be purchased or acquired, and of their proceedings and actions to make full and detailed report to the Secretary, who shall transmit such report with his recommendations thereon to Congress for its action. And to defray the expenses of said board the sum of five thousand dollars, or so much thereof as may be necessary, to be immediately available, is hereby appropriated, out of any moneys in the Treasury not otherwise appropriated.

Repairs.

NAVAL WAR COLLEGE, RHODE ISLAND: \* \* \*. For "General repairs to woodwork, and so forth, minor alterations in quarters, and necessary renewals of furniture, two thousand six hundred dollars; installing lightning protection for college building, four hundred and forty-six dollars and twenty-five cents; \* \* \*."

#### BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: \* \* \*.

Newark.

For "new and improved battery for the Newark, one hundred and seventy-five thousand dollars."

New Orleans.  
Albany.

New and improved batteries for the New Orleans and Albany, two hundred thousand dollars.

Miscellaneous improvements.

Equipment of new storehouse already authorized on the ordnance dock at the New York Navy-Yard, including crane supports and runways, traveling crane, freight elevators, gun skids and appliances for handling guns, eleven thousand dollars.

Washington.

Erection of a steel-casting plant at the naval gun factory, Washington, District of Columbia, ten thousand dollars.

Equipments for the chemical and physical laboratory at the naval gun factory, Washington, District of Columbia, five thousand dollars.

Pensacola.

Purchase and installation of machine tools for ordnance purposes at the navy-yard, Pensacola, Florida, twelve thousand dollars.

Puget Sound.

Purchase and installation of machine tools and motive power in ordnance workshops already authorized at navy-yard, Puget Sound, Bremerton, Washington, fifty thousand dollars.

\* \* \* \*



RESERVE GUNS FOR SHIPS OF THE NAVY: The purchase and manufacture of reserve guns for ships of the Navy, two hundred and fifty thousand dollars.

Reserve guns.

That the unexpended balance remaining in the Treasury on June thirtieth, nineteen hundred and two, from the appropriation "Ordnance and ordnance stores," nineteen hundred, or so much thereof as may be necessary, is hereby reappropriated and made available during the fiscal year ending June thirtieth, nineteen hundred and three, for expenditure in fulfillment of contracts heretofore made and properly chargeable to said appropriation.

Unexpended balance of appropriation.

\* \* \* \* \*

BUREAU OF EQUIPMENT.

\* \* \* \* \*

DEPOTS FOR COAL: \* \* \* *Provided*, That the accounting officers of the Treasury Department are hereby authorized and directed to allow, in the settlement of the accounts of disbursing officers of the Government, all expenditures heretofore made for land purchased for use as naval coal depots.

Purchase of land for coal depots.

\* \* \* \* \*

BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

That the appointment of six additional civil engineers is hereby authorized, three to be appointed during the present calendar year, and the other three in the calendar year of nineteen hundred and three.

Six additional civil engineers authorized.

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Quay wall, to extend, seventy-five thousand dollars; grading, to continue, fifty thousand dollars; railroad and rolling stock, additions, ten thousand dollars; sewer systems, extensions, four thousand dollars; water systems, extensions, four thousand dollars; latrines, six thousand dollars; storehouse for general supplies, to complete, seventy-five thousand dollars; tools for yards and docks, four thousand dollars; locomotive crane and track, thirty-five thousand dollars; electric plant, extensions, twenty-five thousand dollars; telephone system, extensions, one thousand five hundred dollars; central heating plant, twenty-two thousand dollars; piers and slips, fifty thousand dollars; landing floats, one thousand eight hundred dollars; underground conduit system, to continue, twenty thousand dollars; office, drafting, and testing rooms for yards and docks, four thousand dollars; machine shop for

Portsmouth.

equipment, extension of, thirteen thousand seven hundred and seventy-five dollars; chain shed and rigging loft for equipment, fifty thousand dollars; machine shop for steam engineering, extension of, fifty thousand dollars; power house and stack for steam engineering, thirty-five thousand dollars; steel-plant building for construction and repair (to cost not to exceed one hundred and fifty thousand dollars), fifty thousand dollars; new floor in building numbered seven, thirty thousand dollars; elevator and fittings, machine shop for equipment, six thousand dollars; fire-protection system, to complete, fifty thousand dollars; to enable the Secretary of the Navy to make an examination concerning the fresh-water supply at the Portsmouth Navy-Yard, five hundred dollars, or so much thereof as may be needed, said examination to include a survey of the ponds which constitute the sources of the aqueduct, an ascertainment of the quality of the water, an inquiry as to its sufficiency for all future needs, and an estimate of the value of the aqueduct, dams, and ponds; and said Secretary shall consider the desirability of controlling, by purchase or otherwise, solely for the use of the Government, the whole water supply, and he shall make such recommendations on the subject as he may deem expedient to Congress at its next session; for the removal of Hendersons Point, near the navy-yard, Portsmouth, New Hampshire, in accordance with the project recommended in House Document Numbered Two hundred and forty-three, Fifty-seventh Congress, first session, two hundred thousand dollars, to be expended under the direction of the Secretary of the Navy: *Provided*, That a contract or contracts may be entered into by the Secretary of the Navy for such materials and work as may be necessary to prosecute said project, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate five hundred and forty-nine thousand dollars, exclusive of the amounts herein and heretofore appropriated; in all, eight hundred and seventy-two thousand five hundred and seventy-five dollars.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: Ship-fitters' shop, to complete, fifty thousand dollars; metal workers' shop, to complete, fifty thousand dollars; piers and wharves, extensions, seventy-five thousand dollars; smithery for construction and repair, to complete, fifty thousand dollars; sawmill and spar shed, to complete, one hundred and twenty-five thousand dollars; water-closets for building numbered forty-two, additional, two thousand five hundred dollars; water system, extensions, ten thousand dollars; sewer system, extensions, ten thousand dollars; electric-light plant, extensions, ten thousand dollars; extension of naval prison, sixty thousand dollars; electric crane, steam engineering brass foundry, ten thousand dollars; culvert between dry docks, forty-

one thousand two hundred dollars; forty-ton locomotive crane, forty thousand dollars; track for traveling crane, fifty-five thousand dollars; water-closets, additional, two thousand five hundred dollars; underground conduit system, forty-two thousand five hundred dollars; crane for yards and docks power house, seven thousand dollars; dispensary, twelve thousand dollars; fireproof floor in anchor and chain shed, twenty thousand dollars; forge shop, interior fittings for, five thousand dollars; erecting one-hundred-ton shears, five thousand dollars; paving, to continue, twenty thousand dollars; in all, navy-yard, Boston, seven hundred and two thousand seven hundred dollars.

Naval Station, New London, Connecticut: Sea wall, sixteen thousand dollars; coaling plant, extensions, twenty-five thousand dollars: in all, forty-one thousand dollars.

New London.

NAVY-YARD, NEW YORK, NEW YORK: Paving and grading, to continue, twenty thousand dollars; dredging, to continue, twenty-five thousand dollars; coal-storage and coal-handling plant, extensions, one hundred thousand dollars; railroad system, extension, fifteen thousand dollars; extending building numbered forty-one, sixty thousand dollars; locomotive and car shed, twenty-five thousand dollars; improvements to building numbered one hundred and twenty, twenty-two thousand dollars; fittings for building numbered thirty-three, six thousand dollars; fittings and electric tower, building numbered twenty-two, twenty-seven thousand dollars; extending locomotive-crane track, twenty thousand dollars; electric plant, extensions, forty thousand dollars; electric-light system, extension on cob dock, twenty-eight thousand dollars; rebuilding crane track, dry dock numbered three, seventeen thousand dollars; extending building numbered one hundred and sixteen, ten thousand dollars; coal pocket and machinery for construction and repair, six thousand dollars; electric wiring, building numbered twenty-eight, six thousand dollars; storehouse for naval supply fund stores, to complete, fifty thousand dollars; new roof for steam-engineering foundry, twenty-two thousand dollars; to complete building numbered nineteen, sixty thousand dollars; extension to dispensary building, one thousand five hundred dollars; in all, navy-yard, New York, New York, five hundred and sixty thousand five hundred dollars.

New York.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, fifty thousand dollars; grading and paving, to continue, twenty-five thousand dollars; sewer system, extensions, five thousand dollars; electric plant, extensions, forty thousand dollars; railroad system, extensions, fifteen thousand dollars; officers' quarters, additional, eight thousand dollars; power house for construction and repair, fifty thousand

League Island.



dollars; angle smithery for construction and repair, to complete, fifteen thousand dollars; plate-bending shop for construction and repair, to complete, twenty-five thousand dollars; piers, extensions, sixty thousand dollars; locomotive-crane track, extensions, thirty thousand dollars; machinery foundations, steam engineering buildings, thirty-eight thousand eight hundred dollars; power house for steam engineering, forty-six thousand dollars; dredging, to continue, twenty-five thousand dollars; water-closets, additional, two thousand five hundred dollars; water system, extension, twelve thousand dollars; towards storehouse for naval supplies, seventy-five thousand dollars; in all, navy-yard, League Island, five hundred and twenty-two thousand three hundred dollars.

Washington. NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Gunners' storehouse, eighty-eight thousand dollars; copper-smith shop, thirty-two thousand dollars; bronzing and plating house, twenty thousand dollars; purchase of land, one hundred thousand dollars; in all, navy-yard, Washington, two hundred and forty thousand dollars.

Norfolk. NAVY-YARD, NORFOLK, VIRGINIA: Paving and grading, to continue, fifteen thousand dollars; sewers, extensions, five thousand dollars; quay wall for fitting-out basin, to continue, one hundred and fifty thousand dollars; locomotive-crane track, to renew, fifteen thousand dollars; railroad tracks, extensions, six thousand dollars; machinery and tools for yards and docks, additional, three thousand dollars; railroad rolling stock, three thousand dollars; telephone system, extensions, one thousand five hundred dollars; locomotive crane, five thousand dollars; fittings for ordnance storehouse, thirty-five thousand dollars; fire-protection system, fifteen thousand dollars; fittings for yard dispensary, five hundred dollars; heating system, additions, five thousand dollars; electric plant, extensions, ten thousand dollars; remodeling machine shop for steam engineering, to complete, twenty-five thousand dollars; electric capstans for dry docks, five thousand dollars; electric drainage pump for dry docks, ten thousand dollars; steel storage building, thirty thousand dollars; construction of a bridge for naval hospital, five thousand dollars; in all, navy-yard, Norfolk, Virginia, three hundred and forty-four thousand dollars.

CONDEMNATION OF LAND ADJACENT TO THE NORFOLK NAVY-YARD.—The Secretary of the Navy be, and he is hereby, authorized, in his discretion, to cause to be commenced, within three months after the passage of this act, proceedings for the condemnation of the following tract of land, or so much thereof as he may deem necessary, for the use of the United States for the Norfolk Navy-Yard, and for other naval purposes, namely, a tract of land known as the Schmolles property, containing some two hundred and seventy-two and four-tenths acres, more or less, in Norfolk County, Virginia, and ad-

jacent to the Norfolk Navy-Yard, under the Act of Congress approved August first, eighteen hundred and eighty-eight, entitled "An act to authorize the condemnation of lands for sites of public buildings, and for other purposes," and other laws of the United States, so as to completely vest in the United States the title of said land. And all such proceedings shall be reported to Congress at its next session by the Secretary of the Navy.

NAVAL STATION, KEY WEST, FLORIDA: Quay wall, to continue, fifty thousand dollars; coaling pier, to complete, twenty-three thousand dollars; concrete cisterns, twenty thousand dollars; to complete purchase of land heretofore condemned and partially appropriated for, twenty-five thousand nine hundred and fifty dollars; in all, naval station, Key West, one hundred and eighteen thousand nine hundred and fifty dollars.

Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: To continue quay wall, fifty thousand dollars; paving and grading, to continue, twenty-five thousand dollars; sewers and closets, additional, eight thousand dollars; railroad system, extensions, five thousand dollars; heating system, extension, six thousand dollars; machine shop numbered two, construction and repair, to complete, fifty thousand dollars; auxiliary machine shop, steam engineering, five thousand dollars; naval prison, extension, ten thousand dollars; dry dock water-closets and bath house, five thousand dollars; coal-handling machinery, thirty-two thousand dollars; improvements to building numbered forty-five, two thousand dollars; electric plant, extension, fifteen thousand dollars; telephone system, extension, one thousand dollars; boiler and pump for new caisson, three thousand five hundred dollars; improvements to building for storing and handling guns, six thousand dollars; to complete sawmill, boiler house, and steel chimney, two thousand dollars; in all, navy-yard, Mare Island, two hundred and twenty-five thousand five hundred dollars.

Mare Island.

NAVY-YARD, PUGET SOUND, WASHINGTON: Sewers, extensions, five thousand dollars; to continue grading, thirty thousand dollars; coal shed and appliances, including pier extensions, one hundred and fifty thousand dollars; fire protection system, extensions, three thousand five hundred dollars; electric-light plant, extensions, twenty thousand dollars; telephone system, extensions, two thousand dollars; railroad and equipment, extensions, twenty thousand dollars; purchase of land, four thousand dollars, or so much thereof as may be necessary; smithery for construction and repair, extension, forty thousand dollars; plate metal shop for construction and repair, fifty thousand dollars; addition to storehouse for supplies and accounts, fifty thousand dollars; boat shop for construction and repair (to cost not to exceed one hundred and fifty thousand dollars, for which con-

Puget Sound.

tract is hereby authorized), fifty thousand dollars; water-closets, two thousand five hundred dollars; power house for construction and repair, seventy thousand dollars; storehouse for steel, thirty-six thousand dollars; piers, seventy-five thousand dollars; roads and walks, fifteen thousand dollars; water system, extensions, five thousand dollars; locomotive crane, eight thousand five hundred dollars; foundry and coppersmith's shop (to cost not to exceed one hundred thousand dollars, for which contract is hereby authorized), fifty thousand dollars; boiler and blacksmith shop (to cost not to exceed one hundred thousand dollars, for which contract is hereby authorized), fifty thousand dollars; heating-system extensions, four thousand dollars; boiler stack and fittings for equipment shop, ten thousand dollars; quay wall, sixty thousand dollars; in all, navy-yard, Puget Sound, Washington, eight hundred and ten thousand five hundred dollars.

San Juan.

NAVAL STATION, SAN JUAN, PORTO RICO: Coaling facilities, extensions, fifty thousand dollars; in all, San Juan, Porto Rico, fifty thousand dollars.

Pensacola.

NAVY-YARD, PENSACOLA, FLORIDA: Track scales, two thousand five hundred dollars; in all, navy-yard, Pensacola, two thousand five hundred dollars.

New Orleans.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Shops and offices for yards and docks, eighty thousand dollars; power house and plant, seventy-five thousand dollars; office building, thirty-five thousand dollars; quarters for commandant, ten thousand dollars; two officers' quarters, fourteen thousand dollars; storehouse, one hundred thousand dollars; sewer system, fifteen thousand dollars; water system, ten thousand dollars; in all, naval station, New Orleans, Louisiana, three hundred and thirty-nine thousand dollars.

Four dry docks, to complete.

FOUR DRY DOCKS: To complete dry docks at navy-yards: Portsmouth, New Hampshire; Boston, Massachusetts; League Island, Pennsylvania, and Mare Island, California, one million and fifty thousand dollars.

Tutuila.

NAVAL STATION, TUTUILA: One officers' quarters, five thousand dollars; office building, ten thousand dollars; roads and walks, five thousand dollars; grading and filling, thirty thousand dollars; telephone system, two thousand dollars; light-house, Aunuu Island, one thousand dollars; waterworks and accessories, five thousand dollars; purchase of additional land at Samoa, thirty-five thousand dollars; in all, naval station, Tutuila, ninety-three thousand dollars.

Port Royal.

PORT ROYAL NAVAL STATION, SOUTH CAROLINA: The Secretary of the Navy is directed to investigate and report to the next session of Congress the state and condition of the Government property at Port Royal, South Carolina; its value and the practicability of its removal to another navy-yard; also to what uses, if any, said buildings and property can be devoted; what changes would



be necessary for such purpose, and an estimate of cost therefor; also upon the advisability of selling and finally disposing of said property, and what price could probably be realized from such sale.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Stone and concrete dry dock (toward completion), two hundred and fifty thousand dollars: *Provided*, That the amount authorized in the act of June seventh, nineteen hundred, to be expended for the purchase of a site for a naval station at or in the vicinity of Charleston, South Carolina, from the appropriation for a new naval station and a dock be increased from one hundred thousand dollars to one hundred and six thousand dollars, and six thousand dollars are hereby appropriated; office building for the commandant, thirty-five thousand dollars; quarters for the commandant, twelve thousand dollars; quarters for civil engineer, seven thousand five hundred dollars; landing and wharves, fifty thousand dollars; grading and drainage, ten thousand dollars; workshop (to cost eighty thousand dollars), fifty thousand dollars; storehouse and storekeepers' office, fifty thousand dollars; equipment building (to cost one hundred and twenty-five thousand dollars), sixty-two thousand five hundred dollars; machine shop for steam engineering (to cost one hundred and seventy-four thousand dollars), eighty thousand dollars; foundry and copper shop for steam engineering (to cost one hundred and eighteen thousand dollars), sixty thousand dollars; power house (to cost fifty thousand dollars), twenty-five thousand dollars; workshop for ordnance, forty thousand three hundred dollars; ship fitters' shop with mold loft and furnace shed for construction and repair (to cost two hundred thousand dollars), fifty thousand dollars; power house and fuel storage for construction and repair (to cost eighty thousand dollars), thirty-five thousand dollars; machine shop for construction and repair (to cost one hundred and twenty thousand dollars), forty thousand dollars; joiner shop for construction and repair (to cost one hundred and twenty thousand dollars), thirty thousand dollars; foundry for construction and repair (to cost seventy-five thousand dollars), twenty thousand dollars; in all, navy-yard, Charleston, nine hundred and thirteen thousand three hundred dollars.

Charleston.

In all cases where buildings and structures are provided for in this act and where appropriations in full are not made for the same, authority is hereby given to the Secretary of the Navy, in his discretion, to enter into contracts for the entire construction of such buildings and structures, with the limit of cost as fixed in this act.

\* \* \* \* \*

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Tools and appliances for yards and docks, five thousand dollars; fire-protection system and apparatus, twelve thou-

Cavite.

sand dollars; railroad system, improvements and extension, nine thousand dollars; fitting up coal sheds, seven thousand five hundred dollars; toward the purchase or construction of a floating steel dry dock (of American manufacture) (to cost not to exceed one million two hundred and twenty-five thousand dollars), two hundred thousand dollars; in all, two hundred and thirty-three thousand five hundred dollars.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: For the preparation of plans and specifications for public works, including such expert aids, draftsmen, writers, and copyists as the Secretary of the Navy may deem necessary, thirty thousand dollars.

In all, public works, seven million six hundred and forty-nine thousand three hundred and twenty-five dollars.

#### PUBLIC WORKS—BUREAU OF NAVIGATION.

Naval Academy.

NAVAL ACADEMY: Buildings and grounds, Naval Academy: Toward the construction of buildings, and for other necessary improvements, at the Naval Academy, Annapolis, Maryland, as authorized by the Act of Congress approved June seventh, nineteen hundred, and in accordance with the plans approved by the Secretary of the Navy, October third, nineteen hundred, and toward the construction of a hospital (to cost not more than one hundred thousand dollars), to be built upon plans approved by the Secretary of the Navy, three hundred thousand dollars; for dredging up to and in front of the Naval Academy, two hundred thousand dollars; in all, five hundred thousand dollars, the amount hereby appropriated to constitute a part of the eight million dollars' limit fixed for the total cost of said buildings and improvements: *Provided*, That the Secretary of the Navy may, in his discretion, continue the said improvements at the Naval Academy, either by contract or day labor, or both, as he may deem necessary or for the best interests of the Government.

Buildings at training stations.  
California.

NAVAL TRAINING STATION, CALIFORNIA (BUILDINGS): Two officers' quarters, twelve thousand dollars; sinking artesian wells and water supply, seven thousand five hundred dollars; roads and grounds, three thousand five hundred dollars; purchase of tools and fitting up machine shop, two thousand five hundred dollars; installation of cold-storage room, originally planned, three thousand five hundred dollars; building boathouse and carpenter shop on wharf, two thousand five hundred dollars; in all, thirty-one thousand five hundred dollars.

Rhode Island.

NAVAL TRAINING STATION, RHODE ISLAND (BUILDINGS): Completing breakwater and extending sea wall, twenty-seven thousand five hundred dollars; completing roads and sidewalks, and paving approaches to new barracks, seven thousand seven hundred and fifty dollars; assem-

bly, lecture, and reading room, twelve thousand five hundred dollars; three double sets officers' quarters, thirty-six thousand dollars; carpenter shop and boathouse for repairs, storage, and preservation of steam launches and boats, eleven thousand seven hundred and eighty dollars; retaining wall on causeway leading from mainland to station, with guardhouses, iron-picket fence, gates, gatehouse, and appurtenances and for filling and macadamizing road, and repairs to bridge, fifteen thousand five hundred dollars; for constructing fifteen-foot mole at storehouse for discharging and loading boats and lighters, three thousand two hundred and fifty dollars; in all, naval training station, Rhode Island, one hundred and fourteen thousand two hundred and eighty dollars.

NAVAL WAR COLLEGE, RHODE ISLAND: BUILDINGS: Building and furnishing a fireproof annex to the college, with a covered connecting bridge, sixty thousand dollars.

War College.

In all, "Public works, Bureau of Navigation," seven hundred and five thousand seven hundred and eighty dollars.

PUBLIC WORKS—BUREAU OF ORDNANCE.

NAVAL MAGAZINE, IONA ISLAND, NEW YORK: Roads and walks; grading and filling in; wall on west side of reservation; ice house; extension of railroad tracks; magnetic-clock system for watch service, and general improvements, forty-nine thousand five hundred dollars.

Improvements at naval magazines.  
Iona Island.

Naval magazine, Dover, Lake Denmark, New Jersey: For the purchase of additional land (about seventy-five acres) to secure control of a water supply, and expenses incident to said purchase; two powder magazines; pump house; two magazines for high explosives; carpenter's shop, and equipments therefor; coal sheds; extension of railroad tracks; rolling stock for local service; grading; road making; walls; fences, and general improvements; quarters for gunner, and quarters for watchmen and principal employees, eighty thousand dollars.

Dover.

Naval magazine, Fort Mifflin, Pennsylvania: Storehouse for ammunition, five thousand dollars.

Fort Mifflin.

Naval magazine, Norfolk, Virginia: Fireproof building, and the equipment thereof, for magazine workshop; one filling house; extension of railroad tracks; extension of fire and water service; for the purchase of additional land and expenses attending such purchase; for quarters for watchmen and principal employees; in all, forty-six thousand five hundred dollars.

Norfolk.

Naval torpedo station, Newport, Rhode Island: Renewing sea wall on east side of Goat Island, filling in and grading; erection and equipment of a carpenter's shop and one set of quarters, twenty-eight thousand dollars; in all, naval torpedo station, Newport, Rhode Island, twenty-eight thousand dollars.

Torpedo station, Newport.



Proving ground, Indian Head. Naval proving ground, Indian Head, Maryland: Powder magazine, roads, walks, walls, fences, grading, draining, filling in, and two sets of quarters for officers; in all, naval proving ground, Indian Head, twenty-three thousand dollars.

Rose Island. Quarters, Rose Island, Narragansett Bay: Quarters for watchmen and gunners, five thousand two hundred dollars.

Fort Lafayette. Naval magazine, Fort Lafayette, New York Harbor: Enlargement of shipping house; office building; dredging channel; repairs to sea wall, and general improvements, twenty-five thousand dollars.

Mare Island. Naval magazine, Mare Island, California: For new water mains and fire service at magazines; repairs to magazine wharf; steel shed for storage purposes; carpenters' shop; extension of shell house numbered four; repairs to magazine numbered one, injured by fire; three magazines for smokeless powder; one magazine for black powder, and one magazine for small-arm ammunition, eighty thousand dollars.

Puget Sound. Naval magazine, Puget Sound, Washington: For the purchase of land for a site for a naval magazine at or near Bremerton, Washington, and toward the erection thereon of the necessary buildings; for clearing said grounds; for grading and filling in; for building roads and walks; for the necessary wharves and cranes; for railroad tracks and rolling stock for local service; for fire and water service, and for the equipment of the establishment, fifty thousand dollars, or as much thereof as may be necessary; and the Secretary of the Navy may employ and pay, out of the appropriation hereby authorized, such additional expert aids, architects, superintendents of construction, or draftsmen as may be necessary for the preparation of the plans and specifications and prosecution of the work authorized to an amount not to exceed five thousand dollars; in all, naval magazine, Bremerton, Washington, fifty thousand dollars.

In all, public works, Bureau of Ordnance, three hundred and ninety-two thousand two hundred dollars.

Naval Observatory. NAVAL OBSERVATORY: For grounds and roads; continuing grading, extending roads and paths, clearing and improving grounds, five thousand dollars.

Nautical Almanac. PUBLICATION OF THE AMERICAN EPHEMERIS AND NAUTICAL ALMANAC: Hereafter there shall be published of the American Ephemeris and Nautical Almanac two thousand five hundred copies, five hundred of which shall be for the use of the Senate, one thousand for the use of the House of Representatives, and one thousand for distribution or sale by the Navy Department.

#### BUREAU OF MEDICINE AND SURGERY.

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Repairs and improvements. NAVAL HOSPITAL, MARE ISLAND, CALIFORNIA: Repairs and improvements in fitting up old buildings and build-

ing new; for changing officers' quarters into wards for enlisted men and building quarters for officers outside naval hospital, twenty thousand dollars; for construction of a contagious-disease hospital, ten thousand dollars; in all, thirty thousand dollars.

Mare Island.

NAVAL HOSPITAL, CANACAO, PHILIPPINE ISLANDS: Repairs and improvements in fitting up old buildings and building new; building wharf, roads, and preparing grounds, and establishing a naval hospital at Canacao, Philippine Islands, to take the place of the present temporary hospital at Cavite, and for the transfer of public property from the old buildings to the new, fifty thousand dollars.

Naval hospital, Canacao.

#### SUPPLIES AND ACCOUNTS.

##### PROVISIONS, NAVY: \* \* \*.

Provides "that section fifteen hundred and eighty of the Revised Statutes of the United States be, and the same is hereby, amended so as to read as follows:

"SEC. 1580. The Navy ration shall consist of the following daily allowance of provisions to each person: One pound and a quarter salt or smoked meat, with three ounces of dried or six ounces of canned fruit, and three gills of beans or peas, or twelve ounces of flour; or one pound of preserved meat, with three ounces of dried or six ounces of canned fruit, and twelve ounces of rice or eight ounces of canned vegetables or four ounces of desiccated vegetables; together with one pound of biscuit, two ounces of butter, four ounces of sugar, two ounces of coffee or cocoa or one-half ounce of tea and one ounce of condensed milk or evaporated cream; and a weekly allowance of one-half pound of macaroni, four ounces of cheese, four ounces of tomatoes, one-half pint of vinegar, one-half pint of pickles, one-half pint of molasses, four ounces of salt, one-quarter ounce of pepper, and one-half ounce of dry mustard. Five pounds of lard or a suitable substitute shall be allowed for every hundred pounds of flour issued as bread, and such quantities of yeast as may be necessary."

Navy ration, component parts of.

That section fifteen hundred and eighty-one of the Revised Statutes of the United States be, and the same is hereby, amended so as to read as follows:

"SEC. 1581. The following substitution for the components of the ration may be made when deemed necessary by the senior officer present in command:

"For one and one-quarter pounds of salt or smoked meat or one pound of preserved meat, one and three-quarters pounds of fresh meat; in lieu of the article usually issued with salt, smoked, or preserved meat, fresh vegetables of equal value; for one pound of biscuit, one and one-quarter pounds of soft bread, or eighteen ounces of flour; for three gills of beans or peas, twelve ounces of flour or rice or eight ounces of canned vegetables, and for twelve ounces of flour or rice or eight ounces of canned vegetables, three gills of beans or peas."

That an extra allowance of one ounce of coffee or cocoa, two ounces of sugar, four ounces of hard bread or its equivalent, and four ounces of preserved meat or its equivalent shall be allowed to enlisted men of the engineer and dynamo force when standing night watches between eight o'clock postmeridian and eight o'clock antemeridian under steam.

That section fifteen hundred and eighty-four of the Revised Statutes of the United States, and so much of the act of May third, eighteen hundred and eighty, "making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-one, and for other purposes," as authorizes the Secretary of the Navy to substitute desiccated tomatoes for desiccated potatoes, are hereby repealed.

That money accruing from the rations of enlisted men commuted for the benefit of any mess may be paid on public bills to the commissary officer by the pay officer having their accounts.

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#### BUREAU OF CONSTRUCTION AND REPAIR.

\* \* \* \* \*

Construction  
plant, Cavite.

IMPROVEMENT OF CONSTRUCTION PLANTS: \* \* \*

For construction plant, naval station, Cavite, Philippine Islands: "Construction plant at naval station, Philippine Islands, fifty thousand dollars."

Two steel  
tugs.

Steel tugs, general service: Two steel tugs for general service, each seventy thousand dollars, \* \* \*.

Six assistant  
naval con-  
structors.

Provides "that, in addition to the number of naval constructors and assistant naval constructors now authorized, the appointment of six assistant naval constructors is hereby authorized, two to be appointed during the present calendar year and the remaining four in the calendar year of nineteen hundred and three."

#### STEAM ENGINEERING.

\* \* \* \* \*

Liquid fuel,  
test of.

For tests of liquid fuel for naval purposes: "For extended tests of liquid fuel from the California and Texas oil fields, under the direction of the Bureau of Steam Engineering, Navy Department, twenty thousand dollars."

Machinery  
plants:  
League Is-  
land.

MACHINERY PLANT: Navy-yard, League Island, Pennsylvania: To complete equipment of the entire new system of steam engineering shops being constructed under appropriation made to the Bureau of Yards and Docks for building and repairing modern marine machinery, including the power plant and necessary machine tools, cranes, and appliances for handling work, to cost not more than two hundred and thirty thousand dollars, one hundred and thirty thousand dollars.



MACHINERY PLANT: Navy-yard, Norfolk, Virginia: For some necessary modern machine tools, twenty-five thousand dollars.

Norfolk.

MACHINERY PLANT: Navy-yard, Mare Island, California: To complete equipment of the entire new system of steam engineering shops being constructed under appropriation made to the Bureau of Yards and Docks for building and repairing modern marine machinery, including the power plant and necessary machine tools, cranes, and appliances for handling work (to cost not more than one hundred and eighty thousand dollars), eighty thousand dollars.

Mare Island.

MACHINERY PLANT: Navy-yard, Puget Sound, Washington: To continue the equipment of the steam engineering shops being constructed under appropriation made to Bureau of Yards and Docks for building and repairing modern marine machinery, including the power plant and necessary machine tools, cranes, and appliances for handling work, one hundred and twenty-five thousand dollars.

Puget Sound.

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# NAVAL ACADEMY.

\* \* \* \* \*

CONTINGENT, NAVAL ACADEMY: \* \* \*. For "apparatus for the instruction of midshipmen in the department of marine engineering and naval construction, five thousand dollars; purchase of sextants for the instruction of midshipmen in the department of navigation, three thousand dollars: *Provided*, That the Superintendent of the Naval Academy is authorized to pay Mr. Walter L. Steward, from the appropriation 'Contingent, Naval Academy,' the sum of forty dollars to reimburse him for damage done to his crops during a battalion drill of the midshipmen; \* \* \*."

Instruction of midshipmen, apparatus for.

Walter L. Steward, damages, reimbursement for.

The title "naval cadet" is hereby changed to "midshipman."

Naval cadet, title of, changed to midshipman.

That until the year nineteen hundred and fourteen, in addition to the naval cadets now authorized by law (the title having been changed by this act to midshipmen), the President shall appoint five midshipmen, and there shall be appointed from the States at large, upon the recommendation of Senators, two midshipmen for each State.

Midshipmen, increase in number of.

\* \* \* *Provided*, \* \* \* That no part of the money appropriated in this paragraph or elsewhere in this bill shall be expended in the purchase of any history of the Spanish-American war written by Edgar Stanton Maclay, for use at the Naval Academy, in ships' libraries, or in any other part of the naval establishment of the United States.

Maclay's History, purchase of barred.

## MARINE CORPS.

## PAY, MARINE CORPS: \* \* \*.

Rank of com-  
mandant of  
Marine Corps.

Provides "that from and after the date of the approval of this act, the commandant of the Marine Corps shall have the rank, pay, and allowances of a major-general in the Army, and when a vacancy shall occur in the office of commandant of the corps, on the expiration of the service of the present incumbent, by retirement or otherwise, the commandant of the Marine Corps shall thereafter have the rank, pay, and allowances of a brigadier-general.

\* \* \* \* \*

Marine  
Corps, increase  
of.

In addition to the enlisted force of the Marine Corps now authorized by law there may be enlisted ten gunnery-sergeants, forty sergeants, sixty corporals, ten drummers, ten trumpeters, and six hundred and twenty privates.

\* \* \* \* \*

## PUBLIC WORKS—MARINE CORPS.

Barracks,  
improvements  
to.

Barracks and Quarters, Marine Corps: Construction of a fireproof marine barracks, navy-yard, Norfolk, Virginia, and necessary sewerage and grading, one hundred thousand dollars; construction of a veranda on enlisted men's quarters, navy-yard, Pensacola, Florida, three thousand five hundred dollars; installation of an electric lighting plant, marine barracks, navy-yard, New York, New York, three thousand five hundred dollars; installation of electric lights, marine barracks, navy-yard, Portsmouth, New Hampshire, one thousand dollars; improvements, sewers, plumbing, and so forth, marine barracks, navy-yard, Boston, Massachusetts, one thousand five hundred dollars; construction of a marine barracks, naval training station, San Francisco, California, thirty thousand dollars; officers' quarters, Sitka, Alaska, erection of officers' quarters at Sitka, Alaska, two thousand five hundred dollars, and the unexpended appropriations of two thousand five hundred dollars authorized in act of June tenth, eighteen hundred and ninety-six, and one thousand dollars authorized in act of June seventh, nineteen hundred, respectively, are hereby reappropriated for the erection of officers' quarters at Sitka, Alaska, two thousand five hundred dollars; for the erection of light frame buildings for the accommodation and protection of officers and enlisted men of the Marine Corps stationed on the island of Culebra, Porto Rico, five thousand dollars; in all, public works under Marine Corps, one hundred and forty-seven thousand dollars.

Carnegie  
Steel Co., con-  
tracts with.

All contracts of the Carnegie Steel Company, Limited, heretofore made between it and the United States, shall be completed by its successor, the Carnegie Steel Company, or its lawful successor, which has acquired and assumed, or may acquire and assume, all of its assets

and all of its liabilities under the said contracts. And the said Carnegie Steel Company, or its lawful successor, upon giving security in proper form and amount, conditioned for the performance by it of the said contracts according to the true intent and meaning thereof, shall be substituted therein for the said Carnegie Steel Company, Limited, and be entitled to exercise all rights thereunder which the said Carnegie Steel Company, Limited, had or would have had if it had continued in existence.

## INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed by contract two first-class battle ships carrying the heaviest armor and most powerful ordnance for vessels of their class upon a trial displacement of not more than sixteen thousand tons, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million two hundred and twelve thousand dollars each; two first-class armored cruisers of not more than fourteen thousand five hundred tons trial displacement, carrying the heaviest armor and most powerful armament for vessels of their class, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million six hundred and fifty-nine thousand dollars each; two gunboats of about one thousand tons trial displacement, to cost, when built, exclusive of armament, not exceeding three hundred and eighty-two thousand dollars each, and the contract for the construction of each of said vessels shall be awarded, by the Secretary of the Navy, to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic machinery; and the steel material shall be of domestic manufacture and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and not more than two of the six battle ships, armored cruisers, and gunboats provided for in this act shall be built by one contracting party.

Two battle ships.

Two armored cruisers.

Two gunboats.

Contract, award of.

Material; of domestic manufacture.



Where to be  
built.

One battle ship or one armored cruiser herein provided for shall be built on or near the coast of the Pacific Ocean or the waters connecting therewith; but if it shall appear to the satisfaction of the President from the bidding for such contracts that said vessel can not be constructed on or near the coast of the Pacific Ocean at a cost not exceeding four per centum above the lowest accepted bid for the corresponding vessel provided for in this act, he shall authorize the construction of said vessel elsewhere in the United States, subject to the limitations as to cost hereinbefore provided: *Provided*, That the Secretary of the Navy shall build one of the battle ships authorized by this act in such navy-yard as he may designate: *Provided, further*, That the Secretary of the Navy shall build all the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms or corporations or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement or understanding, the effect, object or purpose of which is to deprive the Government of fair, open and unrestricted competition in letting contracts for the construction of any of said vessels.

Cost of in-  
spection and  
construction to  
be reported to  
Congress.

The Secretary of the Navy is hereby instructed to keep an accurate account of the cost of inspection and construction of vessels provided for in this act, whether built in Government yards or by contract, and report thereon to Congress, at each session, the progress of work and cost thereof, including the inspection of all the material going into the construction of said vessels, and, upon the completion thereof, to report a full and detailed statement showing the relative cost of inspection and construction in Government yards and by contract. And for the purpose of preparing and equipping such navy-yard or navy-yards as may be so designated for the construction of any such vessels, the sum of one hundred and seventy-five thousand dollars, or so much thereof as may be necessary, is hereby appropriated for each of the navy-yards in which the Secretary of the Navy may direct any such vessels to be built.

Construction  
and machinery.

**CONSTRUCTION AND MACHINERY:** On account of the hulls and outfits of vessels and steam machinery of vessels heretofore authorized, thirteen million three hundred and three thousand and ten dollars.

Armor and  
armament.

**ARMOR AND ARMAMENT:** Toward the armament and armor of domestic manufacture for the vessels heretofore authorized, nine million dollars.

Equipment.

**EQUIPMENT:** Toward the completion of the equipment outfit of the new vessels authorized, four hundred thousand dollars.

Approved, July 1, 1902.

FIFTY-SEVENTH CONGRESS, SECOND SESSION, MARCH 3, 1903.

[PUBLIC—No. 160.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and four, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

\* \* \* \* \*

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: \* \* \* *Provided,* Unexpended balance reappropriated.  
That the unexpended balances remaining in the Treasury on June thirtieth, nineteen hundred and three, from the appropriations "Ordnance and ordnance stores," nine teen hundred and nineteen hundred and one, or so much thereof as may be necessary, are hereby reappropriated and made available during the fiscal year ending June thirtieth, nineteen hundred and four, for expenditure in fulfillment of contracts heretofore made and properly chargeable to said appropriations.

\* \* \* \* \*

Provision "to enlarge smokeless-powder factory at In-  
dian Head, Maryland, fifty-five thousand dollars."

Smokeless-  
powder fac-  
tory.

New and improved battery for the New York, one  
hundred thousand dollars.

Battery for  
New York.

Navy-yard, Washington, District of Columbia: New  
boiler plant, including foundations, economizers, con-  
duits, connections, and auxiliaries for proposed power  
house, eighty thousand dollars.

Boiler plant  
for power  
house, etc.,  
Washington,  
D. C.

New and improved machinery for existing shops, fifty  
thousand dollars.

Extension of steel-casting plant, five thousand dollars.

Steel-casting  
plant, exten-  
sion of.

Converting large gun lathes from steam to electric  
drive, twenty-five thousand dollars.

Gun lathes,  
conversion of.

\* \* \* \* \*

BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS, NAVY-YARDS  
AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OB-  
SERVATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Removal  
of Hendersons Point, to complete, five hundred and forty-

Portsmouth.

nine thousand dollars; quay wall, to extend, seventy-five thousand dollars; grading, to continue, twenty-five thousand dollars; railroad and rolling stock, additions, eight thousand dollars; sewer systems, extensions, four thousand dollars; water systems, extensions, four thousand dollars; tools for yards and docks, additional, two thousand dollars; locomotive crane and track, to complete, fifty thousand dollars; electric plant, extensions, fifteen thousand dollars; central heating plant, extensions, fifteen thousand dollars; steel-plant building for construction and repair (to cost not to exceed one hundred and fifty thousand dollars), to continue, fifty thousand dollars; blasting in front of quay wall, twenty-five thousand dollars; naval prison, ninety-five thousand dollars (toward the construction of the naval prison herein authorized there is also hereby reappropriated and made available the unexpended balance of appropriations made by the acts approved March third, nineteen hundred and one, and July first, nineteen hundred and two, under the general title "Public Works, Bureau of Yards and Docks," for extension of the naval prison, navy-yard, Boston, Massachusetts); in all, nine hundred and seventeen thousand dollars.

**Boston.**

**NAVY-YARD, BOSTON, MASSACHUSETTS:** Sewer system, extensions, fifteen thousand dollars; electric-light plant, extensions, fifteen thousand dollars; water-closets, additional, five thousand dollars; paving, to continue, fifty thousand dollars; drains, five thousand dollars; railroad system, extensions, twenty-four thousand dollars; pile driver, six thousand five hundred dollars; tools for yards and docks, ten thousand dollars; paint shop for construction and repair, thirty-five thousand dollars; steel shears, improvements to, fifteen thousand dollars; refitting and improving buildings forty-two and forty-three, forty thousand dollars; central heating system, extensions, twenty thousand dollars; extension of building numbered one hundred and seven, fifty thousand dollars; in all, navy-yard, Boston, two hundred and ninety thousand five hundred dollars.

**New London.** **NAVAL STATION, NEW LONDON, CONNECTICUT:** Railroad scales, two thousand five hundred dollars.

**New York.** **NAVY-YARD, NEW YORK, NEW YORK:** Paving and grading, to continue, twenty thousand dollars; dredging, to continue, twenty-five thousand dollars; railroad system, extensions, fifteen thousand dollars; improvements to building numbered one hundred and twenty-six, fifteen thousand dollars; electric plant, extensions, thirty thousand dollars; quay wall between dry docks numbered two and three (to be immediately available), twenty-five thousand dollars; rebuilding wharves on cob deck, twenty-five thousand dollars; new roof for building numbered twenty-eight, twenty thousand dollars; piers, additional, one hundred thousand dollars; coal bins and



tracks for yards and docks (to be immediately available), two thousand five hundred dollars; extension of building numbered one hundred and sixteen, four thousand five hundred dollars; repairing and rebuilding crane track around dry dock numbered one, sixteen thousand dollars; in all, navy-yard, New York, New York, two hundred and ninety-eight thousand five hundred dollars.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, fifty thousand dollars; grading and paving, to continue, thirty thousand dollars; sewer system, extensions, ten thousand dollars; electric plant, extensions, seventy-five thousand dollars; railroad system, extensions, twenty thousand dollars; dredging and filling in Delaware water front, to continue, twenty-five thousand dollars; water system, extension, twelve thousand dollars; tools and appliances for yards and docks, five thousand dollars; pitch house and oakum loft for construction and repair, five thousand two hundred dollars; underground conduit system, twelve thousand dollars; fireproof vault, building numbered one, two thousand dollars; houses over artesian-well pumps, three thousand dollars; fire-protection system, extensions, thirty-five thousand dollars; machine shop for steam engineering, to complete, twenty-five thousand dollars; in all, navy-yard, League Island, three hundred and nine thousand two hundred dollars.

League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Building for power plant, extension, one hundred and twenty-five thousand dollars; piled floor in storehouse for guns and mounts, twenty-seven thousand two hundred and forty dollars; raising floor of annex to building numbered forty-six, two thousand dollars; grading and paving, twenty-five thousand dollars; coal storage and handling plant for new power plant, forty-five thousand dollars; in all, navy-yard, Washington, two hundred and twenty-four thousand two hundred and forty dollars.

Washington.

And upon the acquirement by the United States of title to all property abutting on Canal, Fifth, and N streets, and Georgia avenue, between the south building line of M street south and the Eastern Branch of the Potomac River, and between the east building line of Fourth street east and the west wall of the navy-yard in the city of Washington, District of Columbia, all portions of Canal, Fifth, and N streets, and Georgia avenue lying within such boundaries shall be abandoned and closed, and the Secretary of the Navy is authorized to take possession thereof, and said portions of said streets, together with government reservations numbered two hundred and forty-nine and two hundred and fifty lying within the same boundaries, shall be regarded as set apart and reserved for naval purposes.

Charleston.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Power house and fuel storage for construction and repair, to complete, forty-five thousand dollars; machine shop for construction and repair, to complete, eighty thousand dollars; joiners' shop for construction and repair, to complete, ninety thousand dollars; machine shop for steam engineering, sixty thousand dollars; power house for steam engineering, twenty-five thousand dollars; in all, three hundred thousand dollars: *Provided*, That the Secretary of the Navy be, and hereby is, authorized to reconvey to the city of Charleston, South Carolina, a small triangular piece of land in the northern extremity of the tract recently purchased by the United States for the purposes of a navy-yard in the vicinity of Charleston, South Carolina, containing about one-thirtieth of an acre, at the same rate per acre as that at which said lands were conveyed to the United States by the said city of Charleston.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Quay wall for fitting-out basin, seventy-five thousand dollars; railroad tracks, extensions, five thousand dollars; machinery and tools for yards and docks, additional, three thousand dollars; electric capstans for dry docks, additional, five thousand dollars; cistern, twenty thousand dollars; landing float and slip for railroad cars, forty thousand dollars; improvements to storehouse building numbered fifteen, fifteen thousand dollars; enlarging canvas shed for storage of chain, thirty thousand dollars; in all, navy-yard, Norfolk, Virginia, one hundred and ninety-three thousand dollars.

Key West.

NAVAL STATION, KEY WEST, FLORIDA: Quay wall, to continue, fifty thousand dollars; marine railway, fifteen thousand dollars; coaling plant, extensions and improvements, one hundred thousand dollars; in all, naval station, Key West, one hundred and sixty-five thousand dollars.

Mare Island.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Medical dispensary, to complete, two thousand dollars; repairing forty-ton crane track, sixteen thousand dollars; completing and extending timber storage, four thousand dollars; storage tank for oil, twelve thousand dollars; locomotive crane, twelve thousand dollars; remodeling chain shed, four thousand dollars; railroad system, extensions, ten thousand dollars; electric plant, extensions, fifty thousand dollars; light and power station building, forty thousand dollars; moving and improving building numbered one hundred and thirteen, twelve thousand dollars; fittings for chapel, one thousand dollars; extension to electrical workshop, twenty-five thousand dollars; in all, navy-yard, Mare Island, one hundred and eighty-eight thousand dollars: *Provided*, That the balances from any appropriations for dredging be reappropriated for "Dredging or other means of deepening the channel in Mare Island Strait."

NAVY-YARD, PUGET SOUND, WASHINGTON: Sewer system, extensions, five thousand dollars; to continue grading, thirty thousand dollars; fire-protection system, extensions, ten thousand dollars; electric-light plant, extensions, three thousand dollars; telephone system, extensions, one thousand dollars; railroad and equipment, extensions, ten thousand dollars; boat shop for construction and repair, to continue (to cost not to exceed one hundred and fifty thousand dollars, for which contract is hereby authorized), fifty thousand dollars; water-closets, additional, two thousand five hundred dollars; water system, extensions, eight thousand dollars; foundry and copper-smith's shop, to complete, fifty thousand dollars; boiler and blacksmith shop, to complete, fifty thousand dollars; heating system, extensions, three thousand dollars; extension of dry-dock boiler plant, ten thousand dollars; extension of general office building, five thousand dollars; two officers' quarters, ten thousand dollars; sick quarters, to complete, four thousand two hundred dollars; locomotive crane and track about dry dock (to cost ninety thousand dollars), forty thousand dollars; timber floats and gangway bridges, two thousand dollars; garbage scow, one thousand five hundred dollars; in all, navy-yard, Puget Sound, Washington, two hundred and ninety-five thousand two hundred dollars.

Puget Sound.

NAVY-YARD, PENSACOLA, FLORIDA: Crib for floating dry dock, ten thousand dollars; dredging, to continue, ten thousand dollars; electric-light plant, additions, three thousand dollars; building for Bureau of Equipment, one hundred and twenty thousand dollars; in all, navy-yard, Pensacola, one hundred and forty-three thousand dollars.

Pensacola.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Latrines, one thousand eight hundred dollars; additions to floating dock, fifteen thousand dollars; shops for steam engineering extension, fifty thousand dollars; approach to floating dry dock, ten thousand dollars; to pay award of condemnation suit for land, thirty-five thousand dollars; in all, naval station, New Orleans, Louisiana, one hundred and eleven thousand eight hundred dollars.

New Orleans.

NAVAL STATION, TUTUILA: Grading and filling, to continue, twenty thousand dollars; waterworks and accessories, five thousand dollars; carpenter and blacksmith shop, five thousand dollars; mooring, shoal, and channel buoys, four thousand dollars; ice-making plant, five thousand dollars; in all, naval station, Tutuila, thirty-nine thousand dollars.

Tutuila.

NAVAL STATION, ISLAND OF GUAM: General storehouse, ten thousand dollars.

Guam.

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Distilling plant, twenty thousand dollars; floating steel dry dock, to continue, three hundred thousand dollars; in all, three hundred and twenty thousand dollars.

Cavite.



Plans and specifications.

**PLANS AND SPECIFICATIONS FOR PUBLIC WORKS:** For the preparation of plans and specifications for public works, including such expert aids, draftsmen, writers, and copyists as the Secretary of the Navy may deem necessary, thirty thousand dollars.

In all, public works, four million three hundred and thirty-six thousand nine hundred and forty dollars.

Guantanamo.

**PUBLIC WORKS, SECRETARY'S OFFICE:** For necessary expenditures incident to the occupation and utilization of the naval station at Guantanamo, Cuba, to be used for such purposes as the Secretary of the Navy may direct, one hundred thousand dollars.

#### PUBLIC WORKS, BUREAU OF NAVIGATION.

Naval Academy.

**NAVAL ACADEMY:** The limit of expenditure for the construction of buildings and other necessary improvements at the Academy, as set forth in the act of June seventh, nineteen hundred, be, and the same is hereby, increased to ten million dollars, and no part of the same shall hereafter be used for the purchase of land. The Secretary of the Navy may modify or alter all plans or estimates of cost, within said limit, for all such buildings and improvements, including the hospital and dredging authorized in the act approved July first, nineteen hundred and two, as he may see fit.

**REPAIRS, NAVAL ACADEMY:** For building and furnishing additional temporary quarters and recitation rooms and for enlarging and furnishing the mess hall, to be immediately available, sixty thousand dollars.

Historic places.

That the Secretary of the Navy, the Superintendent of the Naval Academy, and the mayor of Annapolis, Maryland, are hereby appointed a commission to ascertain the sites of, and to have erected suitable tablets upon, the historic places within the grounds of the United States Naval Academy at Annapolis, Maryland, and the sum of five hundred dollars is hereby appropriated for such purpose.

Naval training stations.

California.

**NAVAL TRAINING STATION, CALIFORNIA (BUILDINGS):** Extension of new wharf, four thousand two hundred and fifty dollars; in all, four thousand two hundred and fifty dollars.

Rhode Island.

**NAVAL TRAINING STATION, RHODE ISLAND (BUILDINGS):** Extending and completing stone quay and coaling pier at southeast end of island, ten thousand dollars; filling in two stagnant basins, one near main causeway and the other adjacent to the naval hospital, four thousand five hundred dollars; additional barracks for the accommodation of apprentices and landsmen under training, with mess hall, wash room, and all necessary appurtenances, two hundred and seventeen thousand five hundred dollars; in all, naval training station, Rhode Island, two hundred and thirty-two thousand dollars.

In all, Public works, Bureau of Navigation, two hundred and ninety-six thousand seven hundred and fifty dollars.

PUBLIC WORKS, BUREAU OF ORDNANCE.

NEW ENGLAND NAVAL MAGAZINE: The Secretary of the Navy is hereby directed to appoint a board of naval officers, whose duty it shall be to recommend a site or sites for one naval magazine on the New England coast, north of Cape Cod, suitable for the use of the Boston and Portsmouth navy-yards; and, if upon private land, to estimate its value and ascertain as nearly as practicable the cost for which it can be purchased or acquired, and also to estimate the cost of necessary buildings, grading, and filling in, building roads and walks, improvement of water front, necessary wharves and cranes, railroad tracks and rolling stock, fire and water service, and for general equipment of said naval magazine. The board shall make a full and detailed report to the Secretary of the Navy, who shall transmit such report, with his recommendations thereon, to the next session of Congress. And to defray the expenses of said board the sum of one thousand dollars, or so much thereof as may be necessary, to be immediately available, is hereby appropriated, out of any moneys in the Treasury not otherwise appropriated.

Naval magazine site, New England coast.

NAVAL MAGAZINE, IONA ISLAND, NEW YORK: One new compressed-air charging station, with pipes and fittings, two thousand dollars; machine tools for machine shop, two thousand dollars; machine tools for carpenters' shop, one thousand two hundred dollars; improvements to old dock, nine thousand dollars; in all, naval magazine, Iona Island, fourteen thousand two hundred dollars.

Improvements, naval magazines.  
Iona Island.

NAVAL POWDER DEPOT, LAKE DENMARK, NEW JERSEY: Four electric elevators for two completed storehouses, ten thousand dollars; improvements to shell house numbered one; new floors, platforms, roof leaders, ventilators, and improving lightning protection, six thousand dollars; improvements to magazines numbered one and two; new roof gutters, ventilators, and improved lightning protection, three thousand six hundred dollars; in all, naval magazine, Dover, Lake Denmark, New Jersey, nineteen thousand six hundred dollars.

Lake Denmark.

WATER SYSTEM, FORT NORFOLK, VIRGINIA: To connect the reservation with the city water mains, one thousand one hundred feet from main line, one thousand five hundred dollars.

Fort Norfolk.

NAVAL TORPEDO STATION, NEWPORT, RHODE ISLAND: Additional wharves and slips for torpedo boats; for moving present boathouse to a new location; and for dredging, twenty-five thousand dollars; in all, naval torpedo station, Newport, Rhode Island, twenty-five thousand dollars.

Newport.

Indian Head.	NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Three new cast-steel gun platforms, four thousand five hundred dollars; lightning protection, six thousand dollars; in all, naval proving ground, Indian Head, ten thousand five hundred dollars.				
Saint Jullens Creek.	NAVAL MAGAZINE, SAINT JULIENS CREEK, NORFOLK, VIRGINIA: One shell house, eleven thousand dollars.				
	In all, public works, Bureau of Ordnance, eighty-two thousand eight hundred dollars.	*	*	*	*

## BUREAU OF MEDICINE AND SURGERY.

		*	*	*	*	*
Improvements, naval hospitals.	NAVAL HOSPITAL, NEW YORK, NEW YORK: Changing officers' quarters into wards for enlisted men, and building quarters for officers outside of naval hospital, twenty thousand dollars.					
New York.						
Washington.	NAVAL HOSPITAL, WASHINGTON, DISTRICT OF COLUMBIA: The erection and completion of new buildings for the accommodation of the United States naval hospital, Washington, District of Columbia, on the grounds belonging to the United States Naval Museum of Hygiene, one hundred and twenty-five thousand dollars.					
New York.	NAVAL LABORATORY, NEW YORK, NEW YORK: Erection and completion of a new building for the accommodation of the United States naval laboratory, New York, New York, on the grounds of the United States naval hospital, New York, New York, seventy-five thousand dollars.					
Yokohama.	NAVAL HOSPITAL, YOKOHAMA, JAPAN: Erection of new buildings at the United States naval hospital at Yokohama, Japan, to replace buildings unfit for further use, twenty-five thousand dollars.					

## SUPPLIES AND ACCOUNTS.

		*	*	*	*	*
Clothing and small-stores fund, increase of.	CLOTHING AND SMALL-STORES FUND: For purchase of clothing and small stores for issue to the Naval service, the present fund being inadequate to meet the requirements of the service at this time; to be added to the "clothing and small-stores fund," one million dollars.					
		*	*	*	*	*

## BUREAU OF CONSTRUCTION AND REPAIR.

		*	*	*	*	*
Ammunition lighter, Cavite.	For steel ammunition lighter, naval station, Cavite, Philippine Islands: "One steel steam ammunition lighter, with all fittings complete, for use at naval station, Cavite, Philippine Islands, thirty thousand dollars."					
		*	*	*	*	*



STEAM ENGINEERING.

\* \* \* \* \*

For machinery plant, navy-yard, Boston, Massachusetts: "Electric cranes for foundry, boiler shop, and smithery, and for some large and powerful machine tools to complete equipment of shops, sixty thousand dollars."

Machinery plant, navy-yard, Norfolk, Virginia: Cranes and heavy tools to equip the shops as altered, twenty-five thousand dollars.

Machinery plants.

Boston.

Norfolk.

For building on land owned by the Government, Annapolis, Maryland: "Bureau of Steam Engineering: For a building to be used as an experiment station and testing laboratory in the department of marine engineering and naval construction (to cost not to exceed two hundred and fifty thousand dollars), two hundred and fifty thousand dollars. For the complete equipment of this building with all the necessary appliances and apparatus as an experiment station and testing laboratory, one hundred and fifty thousand dollars."

Experiment station and testing laboratory, Annapolis.

\* \* \* \* \*

The grades of the active list of the Navy hereinafter designated shall be so increased that there shall be thirty additional lieutenant-commanders, in all two hundred: fifty additional lieutenants, in all three hundred and fifty; such total numbers of lieutenants (junior grade) and ensigns as may qualify for said grades under existing law and the provisions of this Act; thirty additional surgeons with the rank of lieutenant-commander, in all eighty-five; one hundred and twenty additional passed assistant and assistant surgeons, with the rank, respectively, of lieutenant and lieutenant (junior grade), in all two hundred and thirty; two additional pay inspectors, in all fifteen; thirty-six additional paymasters, in all seventy-six; twenty-six additional passed assistant and assistant paymasters, in all ninety-six; twenty-nine additional naval constructors and assistant naval constructors, in all seventy-five; one additional civil engineer, in all twenty-eight; and twelve assistant civil engineers, of whom six shall have the rank of lieutenant (junior grade) and six the rank of ensign: *Provided*, That assistant civil engineers, during the first five years after date of appointment, shall receive, per annum, when on duty, one thousand five hundred dollars, when on leave or waiting orders, one thousand dollars; during the second five years after such date, when on duty, one thousand eight hundred dollars, when on leave or waiting orders, one thousand two hundred dollars; and after ten years from such date, when on duty, two thousand one hundred dollars, and when on leave or waiting orders, one thousand four hundred dollars: *And provided further*, That promotions in the corps of civil engineers shall be after such examination as the Secretary of the Navy may prescribe.

Officers of Navy, increase of.

Assistant civil engineers, pay of.

Appoint-  
ments and pro-  
motions, limi-  
tations on.

The increase in the grades of lieutenant-commander and lieutenant provided for in this act shall be filled by promotion each year of not exceeding twenty-five per centum of the total number of the increase in each of said grades; and not more than twenty-five assistant surgeons, not more than twenty assistant paymasters, nor more than five assistant naval constructors, nor more than three assistant civil engineers, in addition to those necessary to fill vacancies in said grades, shall be appointed in any one calendar year.

Ensigns, ap-  
pointment of,  
from warrant  
officers.

Hereafter in each calendar year there may, under the restrictions imposed by existing law, be appointed from the boatswains, gunners, and warrant machinists of the Navy twelve ensigns.

Midshipmen,  
appointments  
of.

There shall be allowed at the Naval Academy two midshipmen for each Senator, Representative, and Delegate in Congress, two for the District of Columbia, and five each year at large: *Provided*, That the additional Congressional appointments authorized by this act shall be made at such times as may be determined by the Secretary of the Navy, who shall equitably distribute the increase among the several States, Districts, and Territories, so that ultimately, if practicable, each Senator, Representative, and Delegate may recommend for appointment during each Congress one midshipman. *Provided further*, That members of the Fifty-seventh Congress who will not be members of the Fifty-eighth Congress, and in whose Districts or States appointments have not been made or vacancies filled in the Fifty-seventh Congress, may immediately upon the passage of this act make the additional appointments herein provided for.

The Secretary of the Navy shall as soon as practicable after the fifth day of March in each year notify in writing each Senator, Representative, and Delegate in Congress of any vacancy which may be regarded as existing in the State, District, or Territory which he represents, and the nomination of a candidate to fill such vacancy shall be made upon the recommendation of the Senator, Representative, or Delegate. Such recommendation shall be made by the first day of June of that year, and if not so made the Secretary of the Navy shall fill the vacancy by the appointment of an actual resident of the State, District, or Territory in which the vacancy exists, who shall have been for at least two years immediately preceding his appointment an actual bona fide resident of the State, District, or Territory in which the vacancy exists and shall have the qualifications otherwise prescribed by law: *And provided further*, That the superintendent of the Naval Academy shall make such rules, to be approved by the Secretary of the Navy, as will effectually prevent the practice of hazing; and any cadet found guilty of participating in or encouraging or

Hazing.

countenancing such practice shall be summarily expelled from the Academy, and shall not thereafter be reappointed to the Corps of Cadets or be eligible for appointment as a commissioned officer in the Army or Navy or Marine Corps until two years after the graduation of the class of which he was a member.

That the provisions of this act for the increase of appointments of midshipmen to the Naval Academy shall continue in force until the thirtieth day of June, nineteen hundred and thirteen; and thereafter one midshipman, as now provided by law, shall be appointed for each Senator, Representative, and Delegate in Congress.

That hereafter there shall be at the Naval Academy one midshipman from Porto Rico, who shall be a native of said island, and whose appointment shall be made by the President on the recommendation of the governor of Porto Rico.

Midshipman  
from Porto  
Rico.

That after January first, nineteen hundred and four, all candidates for admission to the Naval Academy at the time of their examination must be between the ages of sixteen and twenty years.

Age of admis-  
sion to Naval  
Academy.

Nothing contained in this act shall affect the officers of the Navy who may have been or may hereafter be advanced in rank under existing provisions of law by which they become extra numbers in their respective grades, or operate to vacate the commission of any officer now in the service.

That from and after the passage of this act, and in order to further increase the efficiency of the Marine Corps, the following additional officers, noncommissioned officers, drummers, trumpeters, and privates to those now provided by law for said corps, are hereby authorized and directed, namely: One colonel, one lieutenant-colonel, five majors, twelve captains, twenty-five first lieutenants, twelve second lieutenants, one assistant adjutant and inspector with the rank of lieutenant-colonel, two assistant adjutants and inspectors with the rank of major, one assistant quartermaster, with the rank of lieutenant-colonel, five assistant quartermasters with the rank of captain, one assistant paymaster with the rank of lieutenant-colonel, one assistant paymaster with the rank of captain, one sergeant-major, forty quartermaster-sergeants, twelve first sergeants, sixty-five sergeants, fifty-five corporals, ten drummers, ten trumpeters, and five hundred and twenty-seven privates: *Provided*, That the vacancies now existing in the line and the staff departments of the Marine Corps and those created by this act below the grade of brigadier-general shall be filled, respectively, first by promotion by seniority and then by selection and appointment as now provided by law, excepting that vacancies in the grade of second lieutenant shall be filled first, as far as practicable, from graduates of the Naval Academy each year on completing the pre-

Marine  
Corps, increase  
of.



scribed course at the Naval Academy, exclusive of the probationary tour of sea service before final graduation, then from meritorious noncommissioned officers and from civil life between the ages of twenty-one and twenty-seven years: *Provided*, That the commissions of officers now in the Marine Corps shall not be vacated by this act: *And provided further*, That officers selected for appointment to fill vacancies in the grade of field officers in any of the staff departments shall be taken from officers on the active list not below the grade of captain and who have seen not less than seven years' service as commissioned officers in the Marine Corps. And that appointments to the grade of captain in any of the staff departments shall be made from officers on the active list of the Marine Corps not below the grade of first lieutenant.

\* \* \* \* \*

#### PUBLIC WORKS, MARINE CORPS.

Clothing,  
manufacture  
of.

Barracks and Quarters, Marine Corps: Purchase of ground and erection of building at Philadelphia, to be used for manufacture of clothing and storing of supplies and office of assistant quartermaster (to cost not to exceed one hundred and fifty thousand dollars), one hundred and fifty thousand dollars; construction and completion of commanding officers' and junior officers' quarters, navy-yard, Norfolk, Virginia, forty-two thousand dollars; construction and completion of commanding officers' and junior officers' quarters, naval training station, San Francisco, California, sixteen thousand dollars; construction and completion of one power house and the installation of steam heat, marine barracks and officers' quarters, navy-yard, Mare Island, California, eleven thousand dollars; in all, public works under Marine Corps, two hundred and nineteen thousand dollars.

#### INCREASE OF THE NAVY.

Five battle-  
ships.

That for the purpose of further increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract or in navy-yards as hereinafter provided three first-class battle ships carrying the heaviest armor and most powerful ordnance for vessels of their class upon a trial displacement of not more than sixteen thousand tons, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million two hundred and twelve thousand dollars each: two first-class battle ships, carrying the heaviest armor and most powerful ordnance for vessels of their class. upon a trial displacement of not more than thirteen thousand tons, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding three million five hundred

thousand dollars each; two steel ships, to be used in training landsmen and apprentices, to be propelled by sail, and to cost, exclusive of armament, not exceeding three hundred and seventy thousand dollars each; one wooden brig, to be used for training landsmen and apprentices at stations, to be propelled by sail, and to cost, exclusive of armament, not exceeding fifty thousand dollars; and the contract for the construction of each of said vessels shall be awarded, by the Secretary of the Navy, to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic machinery; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and not more than two of the five battle ships provided for in this act shall be built by one contracting party: *Provided further*, That the Secretary of the Navy may build any or all of the vessels herein authorized in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement, or understanding, the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

Two training ships.

One wooden brig.

Contracts, award of.

Material, of domestic manufacture.

Combination, bidders not to enter into.

Submarines, \$500,000 for.

The Secretary of the Navy is hereby authorized, in his discretion, to contract for or purchase subsurface or submarine torpedo boats in the aggregate of, but not exceeding, five hundred thousand dollars: *Provided*, That prior to said purchase or contract for said boats any American inventor or owner of a subsurface or submarine torpedo boat may give reasonable notice and have his, her, or its subsurface or submarine torpedo boat tested by comparison or competition, or both, with a Government subsurface or submarine torpedo boat or any private competitor, provided there be any such, and thereupon the board appointed for conducting such tests shall report the result of said competition or comparison, together with its

recommendations, to the Secretary of the Navy, who may purchase or contract for subsurface or submarine torpedo boats in a manner that will best advance the interests of the United States in submarine warfare: *And provided further*, That before any subsurface or submarine torpedo boat is purchased or contracted for it shall be accepted by the Navy Department as fulfilling all reasonable requirements for submarine warfare and shall have been fully tested to the satisfaction of the Secretary of the Navy. To carry out the purpose aforesaid the sum of five hundred thousand dollars is hereby appropriated out of any money in the Treasury not otherwise appropriated.

Construction  
and machinery.

**CONSTRUCTION AND MACHINERY:** On account of the hulls and outfits of vessels and steam machinery of vessels heretofore authorized, fifteen million twenty-five thousand six hundred and thirty-two dollars.

Armor and  
armament.

**ARMOR AND ARMAMENT:** Toward the armament and armor of domestic manufacture for the vessels authorized, ten million dollars.

Equipment.

**EQUIPMENT:** Toward the completion of the equipment of the new vessels authorized, four hundred thousand dollars.

Approved, March 3, 1903.



# FIFTY-EIGHTH CONGRESS, SECOND SESSION—APRIL 27, 1904.

[PUBLIC—No. 181.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and five, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

\* \* \* \* \*

CONTINGENT, NAVY: \* \* \* *Provided*, That the accounting officers of the Treasury are hereby authorized and directed to allow, in the settlement of the accounts of disbursing officers involved, payments made under the appropriation "Contingent, Navy," to civilian employees appointed by the Navy Department for duty in and serving at naval stations maintained in the island possessions during the fiscal year nineteen hundred and five.

Civillan employees, pay of.

## BUREAU OF ORDNANCE.

\* \* \* \* \*

For purchase and installation of machine tools at the navy-yard, Boston, Massachusetts, five thousand dollars.	Improve- ments. Boston.
Purchase and installation of machine tools at the navy-yard, Portsmouth, New Hampshire, four thousand dollars.	Portsmouth.
Purchase and installation of machine tools at the torpedo station, Newport, Rhode Island, five thousand dollars.	Newport.
Purchase and installation of machine tools at naval magazine, Lake Denmark, New Jersey, two thousand dollars.	Lake Den- mark.
Navy-yard, Washington, District of Columbia: Purchase of a fifteen-ton wrecking car, seven thousand five hundred dollars; new and improved machinery for existing shops, one hundred thousand dollars; repairs to boiler plant, three thousand dollars; repairs to cranes, machinery, locomotives, and wrecking car, ten thousand dollars; in all, one hundred and twenty thousand five hundred dollars.	Washington.
Navy-yard, Mare Island, California: Purchase and installation of overhead traveling cranes in building numbered one hundred and eleven, thirteen thousand two hundred dollars.	Mare Island.

RESERVE GUNS FOR AUXILIARY CRUISERS: Toward the armament of modern guns for auxiliary cruisers men-

Reserve  
guns for auxil-  
iary cruisers.

tioned in the act approved March third, eighteen hundred and ninety-one, and in section four of the act approved May tenth, eighteen hundred and ninety-two, one hundred and twenty-five thousand dollars.

Reserve  
guns, purchase  
of, for ships.

RESERVE GUNS FOR SHIPS OF THE NAVY: Purchase and manufacture of reserve guns for ships of the Navy, one hundred and twenty-five thousand dollars.

\* \* \* \* \*

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS. NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Portsmouth.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Railroad and rolling stock, additions, eight thousand dollars; sewer systems, extensions, five thousand dollars; tools for yards and docks, additional, two thousand dollars; electric plant, extensions, thirty-five thousand dollars; central heating plant, extensions, ten thousand dollars; steel-plant building, for construction and repair (to cost not to exceed one hundred and fifty thousand dollars), to complete, fifty thousand dollars; railroad and wagon scales, eight thousand dollars; electric elevators in new storehouse, eight thousand dollars; crane, hoists, and elevator for chain shed, six thousand dollars; underground conduit system, to continue, fifteen thousand dollars; to enable the Secretary of the Navy to continue and complete his examination concerning the fresh-water supply at the Portsmouth Navy-Yard, directed by the act of July first, nineteen hundred and two, two thousand dollars, or so much thereof as may be needed; in all, one hundred and forty-nine thousand dollars.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: Sewer system, extensions, fifteen thousand dollars; electric-light plant, extensions, twenty thousand dollars; paving, to continue, fifty thousand dollars; railroad system, extensions, twenty thousand dollars; tools for yards and docks, five thousand dollars; underground conduit system, fifteen thousand dollars; approach to dry dock numbered two, fifty thousand dollars; capstans for dry dock numbered one, seven thousand five hundred dollars; wire-rope mill for equipment, sixty-five thousand dollars; anchor and chain shed for equipment, nine thousand three hundred dollars; in all, navy-yard, Boston, two hundred and fifty-six thousand eight hundred dollars.

New York.

NAVY-YARD, NEW YORK, NEW YORK: Paving and grading, to continue, ten thousand dollars; railroad system, extensions, ten thousand dollars; electric plant, extensions, twenty thousand dollars; tools for yards and docks, two thousand dollars; railroad equipment, ten thousand dollars; cranes, seven thousand five hundred dollars; underground conduits, thirty thousand dollars; sewers and drains, six thousand dollars; commandant's quarters,

additions, four thousand five hundred dollars; locomotive and car shed, extensions, five thousand dollars; heating system, extension, ten thousand dollars; latrines, additional, four thousand dollars; extension of building ten, two thousand five hundred dollars; granite and concrete dry dock, to continue, two hundred thousand dollars; prison on Cob Dock, fifty thousand dollars; in all, navy-yard, New York, New York, three hundred and seventy-one thousand five hundred dollars.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, eighty thousand dollars; grading and paving, to continue, twenty-five thousand dollars; sewer system, extensions, three thousand five hundred dollars; electric plant, extensions, one hundred thousand dollars; railroad system, extensions, five thousand dollars; dredging and filling in Delaware water front, to continue, thirty thousand dollars; water system, extension, eight thousand dollars; underground conduit system, eight thousand dollars; fire-protection system, extensions, ten thousand dollars; sea wall extension, fifty thousand dollars; one officers' quarters, eight thousand dollars; extension of reserve basin, to continue dredging, seventy-five thousand dollars; locomotive crane track, extension, thirty thousand dollars; storehouse for naval supplies, to complete, eighty thousand four hundred and seventy dollars; in all, navy-yard League Island, five hundred and twelve thousand nine hundred and seventy dollars.

League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Building for power plant, extension, to complete, one hundred and thirty-five thousand nine hundred and sixty-four dollars; coal storage and handling plant for new power plant, nineteen thousand and eighty-four dollars; machinery for power plant, extension, two hundred and five thousand two hundred dollars; sewer system, to extend, ten thousand dollars; walls about extension of yard, thirty-two thousand dollars; grading, to continue, five thousand dollars; paving, to extend, ten thousand dollars; drainage, to extend, five thousand dollars; underground conduit system, extension, ten thousand dollars; dredging, five thousand dollars; electric-light plant, extension, five thousand dollars; telephone and time systems, extensions, two thousand dollars; pipe-fitters' shop, twenty thousand dollars; one locomotive crane, ten thousand dollars; one one-hundred-and-fifty-ton platform scale, three thousand six hundred and seventy-five dollars; building for electric power plant, extension, ninety-seven thousand nine hundred and eighty-three dollars; in all, navy-yard, Washington, five hundred and seventy-five thousand nine hundred and six dollars.

Washington.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Machine shop for steam engineering, to complete, thirty-four thousand dollars; power house for steam engineering, to com-

Charleston.



plete, twenty-five thousand dollars; stone and concrete dry dock, to continue, three hundred thousand dollars; workshop, to complete, thirty thousand dollars; equipment building, to complete, sixty-two thousand five hundred dollars; shipfitters' shop, for construction and repair, to complete, one hundred and fifty thousand dollars; foundry, for construction and repair, to complete, fifty-five thousand dollars; storehouse and storekeeper's office, to complete, fifty thousand dollars; in all, navy-yard, Charleston, South Carolina, seven hundred and six thousand five hundred dollars.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Purchase of land, four hundred thousand dollars; railroad tracks, extensions, five thousand dollars; machinery and tools for yards and docks, additional, three thousand dollars; fitting-out basin, to complete, fifty-five thousand dollars; piers and slips, one hundred thousand dollars; dredging, five thousand dollars; renewing wharves at entrance to dry docks, fifteen thousand dollars; water-closet at dry docks, five thousand dollars; electric plant, extensions, twenty thousand dollars; storehouse for torpedo-boat outfits, fifty-five thousand dollars; paving and grading, ten thousand dollars; railroad rolling stock, three thousand dollars; fire-protection system, extensions, fifteen thousand dollars; heating system, extensions, two thousand dollars; electric crane in erecting shop, fifteen thousand dollars; concrete and granite dry dock, to continue, two hundred and fifty thousand dollars; improvement to forty-ton locomotive crane, one thousand dollars; in all, navy-yard, Norfolk, Virginia, nine hundred and fifty-nine thousand dollars.

Key West.

NAVAL STATION, KEY WEST, FLORIDA: Fire-protection system, extension, two thousand dollars.

Mare Island.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Railroad system, extensions, fifteen thousand dollars; electric plant, extensions, twenty-five thousand dollars; moving and improving building numbered one hundred and thirteen, five thousand dollars; improvement of channel in Mare Island Strait, one hundred and fifty thousand dollars; storage shed for yards and docks, to extend, three thousand dollars; freight shed, building forty-nine, to extend, three thousand dollars; dry dock water-closets and bath house, to complete, three thousand five hundred dollars; tools for yards and docks, five thousand dollars; sewer system, extensions, five thousand dollars; telephone system, extensions, two thousand dollars; improvement of building forty-six for coppersmiths and plumbers' shop, twenty thousand dollars; improvement of buildings fifty-one, sixty-nine, and seventy-one, nine thousand dollars; building for oil storage, extension, seven thousand five hundred dollars; gallery for building fifty-one, one thousand five hundred dollars; elevators for buildings fifty-one and sixty-nine, four thousand dollars; im-

provement to rigging storeroom, building eighty-seven, five hundred dollars; improvements to medical dispensary, one thousand dollars; in all, navy-yard, Mare Island, two hundred and sixty thousand dollars.

NAVY-YARD, PUGET SOUND, WASHINGTON: Sewer system, extensions, five thousand dollars; to continue grading, thirty thousand dollars; fire-protection system, extensions, four thousand dollars; electric-light plant, extensions, four thousand dollars; telephone system, extensions, two thousand dollars; railroad and equipment, extensions, sixteen thousand dollars; boat shop for construction and repair, to complete (to cost not to exceed one hundred and fifty thousand dollars, for which contract is hereby authorized), fifty thousand dollars; water system, extensions, six thousand dollars; heating system, extensions, six thousand dollars; extension of dry-dock boiler plant, fifteen thousand dollars; locomotive crane and track about dry dock (to cost ninety thousand dollars), to complete, fifty thousand dollars; dredging, ten thousand dollars; quay wall, extension, forty thousand dollars; roads and walks, five thousand dollars; yard scow, to complete, three thousand five hundred dollars; joiner shop, for construction and repair, extension, fifteen thousand dollars; two warrant officers' quarters, six thousand five hundred dollars; coal pockets, ten thousand dollars; timber-storage shed, two thousand dollars; pile driver, two thousand five hundred dollars; fire-alarm system, five thousand dollars; machinery for yards and docks, carpenter shop, two thousand dollars; machinery for yards and docks, machine shop, three thousand dollars; in all, navy-yard, Puget Sound, Washington, two hundred and ninety-two thousand five hundred dollars.

Puget Sound.

NAVY-YARD, PENSACOLA, FLORIDA: Dredging, to continue, ten thousand dollars; central power house (to cost one hundred and four thousand five hundred dollars), sixty thousand dollars; dump scows, twelve thousand dollars; tools for yards and docks, two thousand dollars; ship fitters' shop, building forty-four, extensions, ten thousand dollars; in all, navy-yard, Pensacola, ninety-four thousand dollars.

Pensacola.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Latrines, five thousand five hundred dollars; shops for steam engineering and fittings and grading, thirty-five thousand dollars; improvement of water front, forty-five thousand dollars; levee improvement and grading, thirty thousand dollars; railroad system, twenty-five thousand dollars; paving, twenty thousand dollars; telephone system, three thousand dollars; sewer system, extensions, ten thousand dollars; water system, extensions, eighteen thousand dollars; drainage system, ten thousand dollars; coal bins, five thousand dollars; two buildings for officers' quarters, ten thousand dollars; floor, construction and repair shops, five thousand dollars; two buildings for officers' quarters, erty, ten thousand dollars; central electric light and

New Orleans.



power plant, thirty-seven thousand five hundred dollars; closing Pattison street and Saux lane and grading, two thousand dollars; in all, navy-yard, New Orleans, two hundred and seventy-one thousand five hundred dollars.

Guantanamo.

NAVAL STATION, GUANTANAMO, CUBA: Dry dock, two hundred thousand dollars; dredging at Toro Key, forty thousand dollars; sea wall at Toro Key, seventy-five thousand dollars; reservoir and water system, fifty thousand dollars; clearing and grading, twenty thousand dollars; in all, three hundred and eighty-five thousand dollars.

Tutuila.

NAVAL STATION, TUTUILA: New deck for wharf, five thousand dollars; in all, naval station, Tutuila, five thousand dollars.

Cavite.

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Floating steel dry dock, to continue, seven hundred and twenty-five thousand dollars; for improving and enlarging naval prison, ten thousand dollars; in all, seven hundred and thirty-five thousand dollars.

Olongapo.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: To complete survey of reservation, twenty thousand dollars; for repairing buildings erected by the Spaniards for temporary use as shops, storehouses, offices, and so forth, twenty-five thousand dollars; toward building one thousand seven hundred and fifty feet of quay wall, at one hundred and forty-four dollars per foot (one-fourth), sixty-three thousand dollars; commandant's quarters, nine thousand dollars; three officers' quarters, eighteen thousand dollars; toward constructing Marine barracks and outbuildings, fifty thousand dollars; Marine officers' quarters, six thousand dollars; dredging entrance to basin—channel four hundred by thirty-five feet deep, about twenty-five thousand cubic yards, at thirty cents, seven thousand five hundred dollars; dredging in basin in front of quay walls, one hundred and sixty thousand cubic yards, at thirty cents, for floating dock, forty-eight thousand dollars; water supply from brick-yard springs (capacity fifty thousand gallons in ten hours), eleven thousand feet four-inch galvanized-iron pipe, forty-seven and one-half cents per foot, five thousand two hundred and twenty-five dollars; valves and fittings, two hundred and fifty dollars; freight and transportation, seven hundred and twenty dollars; distribution in the yard, one thousand five hundred dollars; laying pipes, three thousand two hundred dollars; temporary reservoir, forty by forty by ten feet, capacity one hundred thousand gallons, five thousand dollars; one pier for use in landing and receiving stores for immediate use, one hundred thousand dollars; toward coaling plant, five hundred thousand dollars; in all, eight hundred and sixty-two thousand three hundred and ninety-five dollars.

Power plants, consolidation of, at navy yards.

The Secretary of the Navy is hereby authorized, in his discretion, to consolidate the several power plants in any or all of the several navy-yards and stations at each navy-



yard and station under the Bureau of Yards and Docks for the generation and distribution of light, heat, and power for all the purposes of the Navy. To the above end all such plants may be transferred from other bureaus to the Bureau of Yards and Docks, and all appropriations heretofore made for power houses and power plants for bureaus other than Yards and Docks are hereby reappropriated and made available under the Bureau of Yards and Docks for the consolidations herein provided for; and to further carry out the purposes of this provision there is hereby appropriated the sum of three hundred thousand dollars.

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PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: For the preparation of plans and specifications for public works, and for plans and estimates required by section thirty-six hundred and sixty-three, Revised Statutes, for public works, forty-five thousand dollars.

Plans and specifications.

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UNDER THE SECRETARY OF THE NAVY.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: Toward the construction and furnishing of buildings, and for other necessary improvements, at the Naval Academy, Annapolis, Maryland, as authorized by the acts of Congress approved June seventh, nineteen hundred, and March third, nineteen hundred and three, three million dollars.

In order to further improve the grounds at the Naval Academy and secure the best site for the naval hospital heretofore authorized and appropriated for, the removal of the cemetery from its present site to another to be selected is authorized, if the Secretary, in his discretion, shall deem advisable, and to this end the sum of thirty thousand dollars, or so much as is necessary, to be immediately available, is authorized to be expended out of the three million dollars above appropriated.

Naval Academy Hospital.

PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

NAVAL TRAINING STATION, CALIFORNIA (BUILDINGS): Salt-water fire-protection system, fourteen thousand dollars; ventilation and sanitary improvement of barracks for increased cleanliness and to prevent spread of contagious diseases, five thousand dollars; in all, nineteen thousand dollars.

Buildings: California.

NAVAL TRAINING STATION, RHODE ISLAND (BUILDINGS): Continuing sea wall on west side of island, and completing breakwater, ten thousand dollars; moving and rebuilding stables and farmer's house to clear site for officers' quarters, four thousand dollars; in all, naval training station, Rhode Island, fourteen thousand dollars.

Rhode Island.

NAVAL TRAINING STATION, GREAT LAKES: The purchase of land and the establishment of a naval training station

Great Lakes, establishment of station at.

on the Great Lakes, two hundred and fifty thousand dollars. The President is hereby authorized and empowered to appoint a board consisting of not less than three members, none of whom shall be a resident of any State bordering on the Great Lakes, whose duty it shall be to select the most available site for such naval training station on the Great Lakes, and having selected such site, to ascertain and report its probable cost and the probable expenditure which will be necessary for improving the same, including lake shore protection and construction of necessary harbor facilities; and to make a detailed report of their findings and proceedings to the President who, upon approval of such report, shall authorize the purchase of such site and the establishment of such naval training station. And to defray the expenses of said board, the sum of five thousand dollars, or so much thereof as may be necessary, to be immediately available, is hereby appropriated out of any money in the Treasury not otherwise appropriated.

War College. NAVAL WAR COLLEGE, RHODE ISLAND (BUILDINGS): Altering the building formerly belonging to training station and fitting the same for occupancy by officers of the war college, six thousand five hundred dollars.

Furniture for the extension of the Naval War College now nearing completion, one thousand six hundred and twenty-five dollars.

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#### PUBLIC WORKS, BUREAU OF ORDNANCE.

Magazine,  
New England  
coast, purchase  
of land for.

For naval magazine, New England: "For the purchase of land for a site for a naval magazine on or near the New England coast, north of Cape Cod, and toward the erection thereon of the necessary buildings, of inclosing said grounds, of grading and filling in, of building roads and walks, of the improvement of the water front, of the necessary wharves and cranes, of railroad tracks and rolling stock for local service, of fire and water service, and of the equipment of the establishment, seventy thousand dollars, or as much thereof as may be necessary; and the Secretary of the Navy may employ, and pay out of the appropriation hereby authorized, such additional expert aids, surveyors, architects, superintendents of construction, or draftsmen as may be necessary for the preparation of the plans and specifications and prosecution of the work authorized, to an amount not to exceed fifteen thousand dollars: *Provided*, That the total cost of the establishment, complete in all respects, shall not exceed the sum of five hundred thousand dollars: *And provided further*, That should the Secretary of the Navy be unable to purchase the land for the site from the owners thereof, at a fair and reasonable valuation, he is hereby authorized and directed to institute proceedings for the condemnation of such part or parts

thereof as may be necessary: *And provided further*, That the Secretary of the Navy is hereby authorized and directed to discontinue the magazine now in the city of Chelsea not later than the time when the new magazine for the New England coast is ready to be occupied.”

Magazine,  
Chelsea, dis-  
continue.

NAVAL POWDER DEPOT, LAKE DENMARK, NEW JERSEY: Improvements to present water system, new water mains, hydrants, and so forth, six thousand dollars; additional filling house, two thousand dollars; lengthening railroad switch, two thousand dollars; in all, naval magazine, Dover, Lake Denmark, New Jersey, ten thousand dollars.

Improvements,  
Lake  
Denmark.

NAVAL MAGAZINE, SAINT JULIENS CREEK, NORFOLK, VIRGINIA: One magazine building, including lightning protection, track connections, and so forth, ten thousand dollars; extension of gun-cotton magazine, one thousand one hundred dollars; in all, eleven thousand one hundred dollars.

St. Juliens  
Creek.

NAVAL TORPEDO STATION, NEWPORT, RHODE ISLAND: Addition to chemical laboratory, one thousand dollars; addition to seamen's quarters and central latrine for employees, one thousand six hundred dollars; coal shed and shed for fire hose and fire apparatus, one thousand five hundred dollars; fireproof storehouse for torpedo-boat supplies, thirty thousand dollars; in all, Newport, Rhode Island, thirty-four thousand one hundred dollars.

Torpedo station,  
Newport.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Concreting range battery, three thousand five hundred dollars; improvements to wharves and slips, eight thousand dollars; sulphuric-acid plant, consisting of the necessary buildings and apparatus for making sulphuric acid, fifty-five thousand dollars; coal-storage and coal-handling facilities, ten thousand dollars; additional powder magazines, twenty thousand dollars; extension of boiler plant, twenty-five thousand dollars; in all, naval proving ground, Indian Head, one hundred and twenty-one thousand five hundred dollars.

Indian Head.

NAVAL MAGAZINE, FORT MIFFLIN, PENNSYLVANIA: New powder magazine, including lightning protection, track connections, and so forth, twenty thousand dollars;

Fort Mifflin.

NAVAL MAGAZINE, MARE ISLAND, CALIFORNIA: One observation magazine for suspected powders, five hundred dollars; one filling house, one thousand seven hundred dollars;

Mare Island.

NAVAL MAGAZINES, PHILIPPINE ISLANDS: Powder magazines, shell and filling houses, and so forth, fifty thousand dollars;

Philippine  
Islands.

\* \* \* \* \*

UNDER BUREAU OF EQUIPMENT.

NAVAL OBSERVATORY: For grounds and roads; continuing grading, extending roads and paths, clearing and improving grounds, five thousand dollars;

Naval Ob-  
servatory.



Fence: Materials for fence to inclose the whole of the Observatory grounds, two thousand eight hundred dollars.

## BUREAU OF MEDICINE AND SURGERY.

*	*	*	*	*
Remains, transportation of.	TRANSPORTATION OF REMAINS: To enable the Secretary of the Navy, in his discretion, to cause to be transferred to their homes the remains of officers and enlisted men of the Navy and Marine Corps who die or are killed in action ashore or afloat, and also to enable the Secretary of the Navy, in his discretion, to cause to be transported to their homes the remains of civilian employees who die outside of the continental limits of the United States, fifteen thousand dollars: <i>Provided</i> , That the sum herein appropriated shall be available for payment for transportation of the remains of officers and men who have died while on duty at any time since April twenty-first, eighteen hundred and ninety-eight, and shall be available until used, and applicable to past as well as future obligations.			
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## PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

Improve- ments, naval hospitals.	NAVAL HOSPITAL, NORFOLK, VIRGINIA: Changing officers' quarters into wards for enlisted men, and building quarters for officers outside of naval hospital, twenty thousand dollars.
Norfolk.	
Canacao.	NAVAL HOSPITAL, CANACAO, PHILIPPINE ISLANDS: Naval hospital at Canacao, Philippine Islands, to complete, seventy thousand dollars.

## SUPPLIES AND ACCOUNTS.

Pay depart- ment stores, sale of.	PROVISIONS, NAVY: * * * It is " <i>Provided</i> , That pay department stores may be sold to civilian employees at naval stations beyond the continental limits of the United States and in Alaska, under such regulations as the Secretary of the Navy may prescribe.
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## BUREAU OF CONSTRUCTION AND REPAIR.

*	*	*	*	*
Two seago- ing tugs.	For seagoing tugs: "Two seagoing tugs, with all fittings, complete, each, one hundred and seventy-five thousand dollars."			
*	*	*	*	*

## STEAM ENGINEERING.

*	*	*	*	*
Steam tur- bine, test of.	EXTENDED TESTS OF MARINE STEAM TURBINES: For an extended series of tests, and for original investigation			

and research, in connection with the determination of the efficiency, economy, adaptability, and endurance of the steam turbine for naval purposes, twenty-five thousand dollars.

Machinery plant, navy-yard, Boston, Massachusetts: Necessary to furnish new power plant and a number of locomotive cranes required for handling heavy parts of machinery, seventy-five thousand dollars.

Machinery plants at navy yards. Boston.

Machinery plant, navy-yard, Norfolk, Virginia: To furnish new and additional tools for pattern shops and foundry; also to furnish condensing apparatus for the new power plant, air compressors, and locomotive cranes, fifty thousand dollars.

Norfolk.

\* \* \* \* \*

# NAVAL ACADEMY.

## PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY:

\* \* \*

Provides "that the President be authorized, by and with the advice and consent of the Senate, to appoint a professor of mathematics of the rank of commander to rank after Aaron Nichols Skinner and to be an extra number in the list of professors of mathematics in the Navy."

A. N. Skinner, appointment of a professor, mathematics.

\* \* \* \* \*

For "one assistant instructor in gymnastics, one thousand dollars; one clerk to the Superintendent, nine hundred dollars; one assistant baker, five hundred and forty dollars; one mechanic in department of physics, seven hundred and twenty dollars; one cook, six hundred dollars; \* \* \*."

Additional employees.

Provides "that subject to the restrictions imposed by existing law, boatswains, gunners, and warrant machinists shall be eligible for appointment to the grade of ensign after four years' service as warrant officers, and boatswains, gunners, carpenters, and sailmakers shall be eligible for appointment as chief boatswains, chief gunners, chief carpenters, and chief sailmakers after six years from date of warrant."

Ensigns, appointment of from warrant officers.

# MARINE CORPS.

## PAY, MARINE CORPS: \* \* \*

Provides for \* \* \* "additional compensation for enlisted men of the Marine Corps regularly detailed as gun pointers, messmen, signalmen, or holding good conduct medals, pins or bars \* \* \*."

Compensation, extra to enlisted men.

## MILITARY STORES, MARINE CORPS: \* \* \*

To reimburse the Ordnance Department, United States Army, for two thousand magazine rifles, caliber thirty, latest model, delivered to the assistant quartermaster, United States Marine Corps, Philadelphia. Pennsyl-

Army rifles, reimbursement for.

vania, on August seventeenth, nineteen hundred and three, twenty-eight thousand five hundred and forty dollars, to remain available not to exceed two years, to replace like ordnance stores.

\* \* \* \* \*

Marine officers, retirement of.

Provides "that officers of the Marine Corps with creditable records who served during the civil war shall, when retired, be retired in like manner and under the same conditions as provided for officers of the Navy who served during the civil war."

#### PUBLIC WORKS, MARINE CORPS.

Improvements to barracks, Portsmouth.

Barracks and quarters, Marine Corps: Construction and completion of one brick boiler house and bakery, navy-yard, Portsmouth, New Hampshire, five thousand dollars;

Boston.

Installation of electric lights in barracks and officers' quarters, navy-yard, Boston, Massachusetts, two thousand five hundred dollars;

Washington.

Construction and completion of an addition to marine barracks, including the erection and furnishing of a band room, mess hall, men's kitchen, and men's gymnasium, marine barracks, Washington, District of Columbia, one hundred and fifty thousand dollars;

New Orleans.

Construction and completion of marine barracks and one set of officers' quarters, six thousand five hundred dollars, which sum shall be in addition to fifteen thousand dollars appropriated for this object in the naval appropriation act approved March third, nineteen hundred and one, naval station, New Orleans, Louisiana, six thousand five hundred dollars;

Olongapo.

Construction and equipment of a cold-storage and ice plant, Olongapo, Philippine Islands, five thousand dollars;

Total public works under Marine Corps, one hundred and sixty-nine thousand dollars.

#### INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval Establishment of the United States, the President is hereby authorized to have constructed by contract or in navy-yards as hereinafter provided—

One battle-ship.

One first-class battle ship, carrying the heaviest armor and most powerful armament for a vessel of its class upon a trial displacement of not more than sixteen thousand tons; to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million four hundred thousand dollars.

Two armored cruisers.

Two first-class armored cruisers, of not more than four thousand five hundred tons trial displacement, carry-



ing the heaviest armor and most powerful armament for a vessel of its class; to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million four hundred thousand dollars each.

Three scout cruisers, of not more than three thousand seven hundred and fifty tons trial displacement, carrying the most powerful ordnance of vessels of their class; to have the highest speed compatible with good cruising qualities and great radius of action, and to cost exclusive of armament, not exceeding one million eight hundred thousand dollars each.

Three scout  
cruisers.

Two colliers, to be capable of accompanying the battle fleet; to carry five thousand tons of cargo coal, loaded, and to have a trial speed of not less than sixteen knots, to cost not exceeding one million two hundred and fifty thousand dollars each. Said colliers shall be built in navy-yards, one on the Pacific and the other on the Atlantic coast, the same to be designated by the Secretary of the Navy.

Two colliers.

Where built.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and not more than two of the vessels provided for in this act shall be built by one contracting party: *Provided*, That the Secretary of the Navy may build any or all of the vessels herein authorized in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

Contract,  
award of.

Where built.

Submarines,  
\$850,000 for.

The Secretary of the Navy is hereby authorized, in his discretion, to contract for or purchase subsurface or submarine torpedo boats in the aggregate of, but not exceeding, eight hundred and fifty thousand dollars: *Provided*, That prior to said purchase or contract for said boats any American inventor or owner of a subsurface or submarine torpedo boat may give reasonable notice and have his, her, or its subsurface or submarine torpedo boat tested by comparison or competition, or both, with a Government subsurface or submarine torpedo boat or any private competitor, provided there be any such, and thereupon the board appointed for conducting such tests shall report the result of such competition or comparison, together with its recommendations, to the Secretary of the Navy, who may purchase or contract for subsurface or submarine torpedo boats in a manner that will best advance the interests of the United States in torpedo or submarine warfare: *And provided further*, That before any subsurface or submarine torpedo boat is purchased or contracted for it shall be accepted by the Navy Department as fulfilling all reasonable requirements for submarine warfare and shall have been fully tested to the satisfaction of the Secretary of the Navy. To carry out the purpose aforesaid the sum of eight hundred and fifty thousand dollars is hereby appropriated out of any money in the Treasury not otherwise appropriated; and to make up said sum of eight hundred and fifty thousand dollars, the sum of five hundred thousand dollars carried, or such parts thereof as may remain unexpended, and authorized in the naval appropriation act, approved March third, nineteen hundred and three, is hereby reappropriated.

Construction  
and machinery.

**CONSTRUCTION AND MACHINERY:** On account of the hulls, outfits, and machinery of vessels, and steam machinery of vessels heretofore authorized, nineteen million eight hundred and twenty-six thousand eight hundred and sixty dollars.

Armor and  
armament.

**ARMOR AND ARMAMENT:** Toward the armament and armor of domestic manufacture for the vessels authorized, twelve million dollars.

The Secretary of the Navy is hereby authorized to procure by contract armor of the best quality for any or all vessels herein authorized at such price as in his judgment is just and reasonable.

Approved, April 27, 1904.

FIFTY-EIGHTH CONGRESS, THIRD SESSION, MARCH 3, 1905.

[PUBLIC—No. 214.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and six, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

It is \* \* \* “*Provided*, That the sum of two million five hundred thousand dollars from the unexpended balances remaining in the Treasury under appropriations ‘Pay of the Navy, nineteen hundred and two,’ and ‘Pay of the Navy, nineteen hundred and three,’ is hereby re-appropriated for the ‘Pay of the Navy for the fiscal year ending June thirtieth, nineteen hundred and six.’”

Unexpended  
balances, re-  
appropriated.

BUREAU OF ORDNANCE.

\* \* \* \* \*  
For tools, such as milling machines, planer, burnisher, band saw, wood-turning lathe, grindstone, and so forth, at navy-yard, Portsmouth, New Hampshire, five thousand dollars.

Improve-  
ments at navy  
yards.

Portsmouth.

Traveling cranes for ordnance machine shop at navy-yard, New York, six thousand three hundred dollars.

New York.

Navy-yard, Washington, District of Columbia, namely: New and improved machinery for existing shops, one hundred thousand dollars; the third-fourth boilers and installation of same, fifty thousand dollars; new locomotive, eight thousand dollars \* \* \*

Washington.

\* \* \* \* \*

BUREAU OF EQUIPMENT.

\* \* \* \* \*

OCEAN AND LAKE SURVEYS: \* \* \*. It is *Provided*, That one thousand five hundred dollars may be expended by the Secretary of the Navy in procuring a survey and estimate of cost for a channel into Welles Harbor, Midway Islands.

Welles Har-  
bor.  
Midway Is-  
lands, channel  
into.

\* \* \* \* \*

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Railroad and rolling stock, additions, five thousand dollars; sewer systems, extension, five thousand dollars; underground

Portsmouth.



conduit system, to continue, ten thousand dollars; quay walls, to extend, seventy thousand dollars; grading, to continue, thirty thousand dollars; piers and slips, to extend, twenty-five thousand dollars; fittings for dry dock numbered two, thirty-five thousand dollars; sidewalks and streets, five thousand dollars; boiler shop for steam engineering, to cost completed not to exceed one hundred and forty thousand dollars, seventy-five thousand dollars; toward pattern shop for steam engineering, thirty-nine thousand four hundred dollars; rebuilding and extending coaling plant, thirty thousand dollars; telephone system, extension, one thousand dollars; naval prison, administration building (to cost one hundred and thirty thousand dollars), seventy thousand dollars; in all, four hundred thousand four hundred dollars.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: Sewer system, extensions, fifteen thousand dollars; paving, to continue, twenty-five thousand dollars; railroad system, extensions, twelve thousand five hundred dollars; water system, extensions, five thousand two hundred and thirty dollars; track for traveling crane, extension, thirty-four thousand three hundred and ten dollars, fire-protection system, to extend, eight thousand five hundred dollars; foundations for steam engineering tools, four thousand two hundred and sixty dollars; approach to dry dock numbered one, forty-three thousand one hundred dollars; oil storehouse, fifteen thousand dollars; in all, navy-yard, Boston, one hundred and sixty-two thousand nine hundred dollars.

New York.

NAVY-YARD, NEW YORK, NEW YORK: Paving and grading, to continue, ten thousand dollars; railroad system, extensions, eight thousand dollars; electric plant, extensions, ten thousand dollars; railroad equipment, additional, five thousand dollars; underground conduits, extensions, ten thousand dollars; sewers and drains, additional, five thousand dollars; latrines, additional, four thousand dollars; telephone system, extension, two thousand dollars; scale house and scales, six thousand dollars; auxiliary hoist for one-hundred-ton crane, twenty thousand dollars; bridge between buildings six and one hundred and fifteen, one thousand two hundred dollars; improvement in building eight, one thousand dollars; in all, navy-yard, New York, New York, eighty-two thousand two hundred dollars.

League Island.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, one hundred thousand dollars; grading and paving, to continue, twenty thousand dollars; sewer system, extensions, ten thousand dollars; railroad system, extension, twelve thousand dollars; dredging and filling in Delaware water front, to continue, thirty thousand dollars; water system, extension, five thousand dollars; fire-protection system, extensions, five thousand dollars; extension of

reserve basin, to continue dredging, seventy-five thousand dollars; locomotive crane track, extension, twenty-five thousand dollars; underground conduit system, extension, fifteen thousand dollars; telephone system, improvements, two thousand five hundred dollars; extension of building twenty-four, three thousand dollars; locomotive crane for yards and docks, seven thousand five hundred dollars; berth for receiving ship, twenty thousand dollars; water-closets, additional, five thousand dollars; pump and boiler for caisson, dry dock numbered one, two thousand dollars; piers, extensions, forty thousand dollars; in all, navy-yard, League Island, three hundred and seventy-seven thousand dollars.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Paving, to extend, eight thousand dollars; underground conduit system, to extend, five thousand dollars; dredging, to continue, five thousand dollars; building for electric power plant extension, to complete, seventy-five thousand dollars; fire and telephone station and naval prison building, fourteen thousand dollars; fire-protection system, to extend, five thousand dollars; railroad system, to extend, five thousand dollars; heating system, extension, five thousand dollars; water system, to extend, fifteen thousand dollars; in all, navy-yard, Washington, one hundred and thirty-seven thousand dollars.

Washington.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Stone and concrete dry dock, to continue, two hundred and fifty thousand dollars; approach to dry dock, fifty-seven thousand dollars; equipment for yards and docks workshop, five thousand dollars; grading and paving, fifteen thousand dollars; railroad system, extensions, five thousand dollars; railroad equipment, five thousand dollars; water system, extension, four thousand dollars; fire-protection system, five thousand dollars; machinery for yards and docks power house, fifty thousand dollars; in all, navy-yard, Charleston, South Carolina, three hundred and ninety-six thousand dollars.

Charleston.

NAVY-YARD, NORFOLK, VIRGINIA: Piers and slips, to continue, fifty thousand dollars; dredging, to continue, five thousand dollars; electric plant, extensions, twenty thousand dollars; paving and grading, additional, seven thousand five hundred dollars; railroad rolling stock, additional, three thousand dollars; fire-protection system, extensions, five thousand dollars; heating system, extensions, three thousand dollars; locomotive, six thousand dollars; underground conduit system, ten thousand dollars; improvement to one-hundred-ton shears, fifteen thousand dollars; telephone system, extensions, two thousand dollars; sewers, extensions, three thousand dollars; wharf extension at Saint Helena, eight thousand five hundred dollars; roads at Saint Helena, four thousand dollars; storehouse and issuing room for clothing at Saint Helena, three thousand five hundred dollars; house for

Norfolk.



contagious diseases, two thousand five hundred dollars; in all, navy-yard, Norfolk, Virginia, one hundred and forty-eight thousand dollars.

Key West. NAVAL STATION, KEY WEST, FLORIDA: Fire-protection system, extension, three thousand dollars; pumping plant for fresh water, five thousand dollars; dredging and filling in, fifteen thousand dollars; water system, six thousand dollars; in all, navy-yard, Key West, Florida, twenty-nine thousand dollars.

Mare Island. NAVY-YARD, MARE ISLAND, CALIFORNIA: Railroad system, extension, five thousand dollars; electric-plant system, extension, five thousand dollars; improvement of channel in Mare Island Strait, to continue, one hundred thousand dollars; sewer system, extensions, three thousand dollars; telephone system, extensions, one thousand dollars; paving and grading, to continue, ten thousand dollars; heating system, extension, five thousand dollars; addition to fire-engine house, building ninety-nine, four thousand dollars; two floats, four thousand dollars; improvements to building seventy-seven, one thousand five hundred dollars; improvements to building seventy-one, five hundred dollars; moving and improving washhouse, four thousand two hundred dollars; completion of torpedo-boat wharf, three thousand dollars; shed for condemned provisions, one thousand dollars. For the purpose of preparing and equipping yard for the construction of vessels, one hundred and seventy-five thousand dollars; in all, navy-yard, Mare Island, three hundred and twenty-two thousand two hundred dollars.

Puget Sound. NAVY-YARD, PUGET SOUND, WASHINGTON: Sewer system, extensions, five thousand dollars; to continue grading, twenty thousand dollars; fire-protection system, extensions, ten thousand dollars; electric-light plant, extensions, ten thousand dollars; telephone system, extensions, one thousand five hundred dollars; railroad and equipment, extensions, six thousand dollars; boat shop for construction and repair, to equip and complete, twenty-five thousand dollars; water system, extensions, three thousand dollars; heating system, extensions, six thousand dollars; locomotive and crane track about dry dock, to continue, thirty thousand dollars; dredging, to continue, ten thousand dollars; quay wall, extension, twenty-five thousand dollars; roads and walks, extensions, five thousand dollars; joiner shop, for construction and repair, to complete, five thousand dollars; machinery for yards and docks, two thousand dollars; piers, additional, fifty thousand dollars; in all, navy-yard, Puget Sound, Washington, two hundred and thirteen thousand five hundred dollars.

Pensacola. NAVY-YARD, PENSACOLA, FLORIDA: Central power house (to complete), forty-four thousand five hundred dollars; tools for yards and docks, two thousand dollars; water system, ten thousand dollars; fire-protection system, five



thousand dollars; closets and lavatories, three thousand five hundred dollars; garbage crematory, seven thousand five hundred dollars; machinery for central power house (to cost one hundred and twenty thousand dollars), fifty thousand dollars; railroad track and equipment, ten thousand dollars; telephone system, extensions, two thousand dollars; elevator for building numbered one, one thousand dollars; in all, navy-yard, Pensacola, one hundred and thirty-five thousand five hundred dollars.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Improvement of water front, fifty thousand dollars; levee improvement and grading, ten thousand dollars; paving, ten thousand dollars; sewer system, extensions, five thousand dollars; water system, extensions, five thousand dollars; machinery and tools for yards and docks shop, five thousand dollars; fire-protection system, ten thousand dollars; in all, navy-yard, New Orleans, ninety-five thousand dollars: *Provided*, That the appropriation of ten thousand dollars for quarters for commandant and two officers' quarters for fourteen thousand dollars, authorized under the naval appropriation act for nineteen hundred and three, and two officers' quarters for ten thousand dollars, authorized under the naval appropriation act for nineteen hundred and five, are hereby consolidated for four officers' quarters at the naval station, New Orleans, Louisiana.

New Orleans.

NAVAL STATION, TUTUILA, SAMOAN ISLANDS: Lumber shed, five hundred dollars; boathouse, five hundred dollars; in all, naval station, Tutuila, one thousand dollars.

Tutuila.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: Repairs to existing buildings, twenty-five thousand dollars; drainage canal, to complete, twenty-five thousand dollars; water system, to extend, twenty thousand dollars; roads and bridges, five thousand dollars; sewer system, fifteen thousand dollars; tools for general use, two thousand dollars; hoisting machinery, four thousand dollars; rock crusher and appurtenances, four thousand dollars; in all, one hundred thousand dollars.

Olongapo.

NAVAL STATION, ISLAND OF GUAM: Dredging, five thousand dollars; extension of naval-station roads, five thousand dollars; in all, ten thousand dollars.

Guam.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: Plans and estimates required by section thirty-six hundred and sixty-three. Revised Statutes, and plans and specifications for public works, thirty thousand dollars.

Plans and estimates.

\* \* \* \* \*

PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: Toward the construction of buildings, and for other necessary improvements at the Naval Academy, Annapolis, Maryland, as authorized by the acts of Congress approved

Naval Academy.

June seventh, nineteen hundred, and March third, nineteen hundred and three, eight hundred thousand dollars.

PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Improve-  
ments at naval  
training sta-  
tions.  
California.

NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: To complete salt water fire pumping system, hose, and hose houses, two thousand dollars; to complete and repair roads to wireless telegraph station on hill, one thousand five hundred dollars; painting outside and inside of officers' quarters, and repairs, two thousand dollars; necessary work on road from Pensacola wharf to barracks, five thousand dollars; heating mains, four thousand five hundred dollars; in all, fifteen thousand dollars.

Rhode Is-  
land.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Extension of buildings, increase of heating and lighting plants to afford sufficient capacity for new barracks and lecture room, and enlarging and covering coal bin, forty thousand dollars; additional story to assembly, lecture, and reading room, completion of same, in accordance with original plans, and furnishing of same, eleven thousand five hundred dollars; fire engine, with hose wagon, one thousand feet of hose, and small hose house, nine thousand dollars; furnishing the three double sets of officers' quarters, papering walls, oiling floors, supplying carpets and window shades, constructing roads and walks, and terracing, eleven thousand dollars; repairs to timber wharf and renewal of worn-out piling, two thousand dollars; feed cable for connecting the generating plant with officers' new quarters, one thousand dollars; in all, naval training station, Rhode Island, seventy-four thousand five hundred dollars.

Naval War  
College.

NAVAL WAR COLLEGE, RHODE ISLAND, BUILDINGS: For furniture for officers' quarters in building numbered ten formerly belonging to training station, two thousand dollars; for alterations to main war college building to improve lecture room, provide more committee rooms and offices, new entrance in rear, and change main stairway, repairs to and painting of main building, repairs to electric installations, and providing new feeder from generator station, three thousand dollars; in all, five thousand dollars.

\* \* \* \* \*

PUBLIC WORKS, BUREAU OF ORDNANCE.

Improve-  
ments, naval  
magazines.

NAVAL MAGAZINE, NEW YORK HARBOR (IONA ISLAND): Steam fire pump, two thousand dollars; new roof for administration building and repairs to walls, two thousand dollars; \* \* \*.

Dover.

NAVAL MAGAZINE, DOVER, NEW JERSEY: For naval powder depot, Lake Denmark, New Jersey: Cleaning,

filling in, grading, and erecting fences on tract of seventy-eight acres acquired by purchase last year as a source of water supply for the reservation, six thousand dollars; standpipe, one hundred and eighty thousand gallons capacity, for fire protection, electric pump for filling same, and extension to pump house for its accommodation, eleven thousand eight hundred dollars; thirteen small houses, each five by six feet, to be erected at hydrants for protection of hose kept for fire protection, one thousand six hundred dollars; new charging station and pipes for extension of supply of air for air locomotive, seven hundred and fifty dollars; retaining wall, fixed ammunition house numbered one, five hundred dollars; eco magneto watchman's clock system, to insure proper watch service, two thousand dollars. \* \* \*.

St. Juliens  
Creek.

NAVAL MAGAZINE, SAINT JULIENS CREEK, NORFOLK, VIRGINIA: Repairing telephone line from navy-yard, one thousand dollars; improvement of the fire system, water tower and tank, pumping machinery, sprinklers, additional pipes, valves, and relaying pipes, fifteen thousand dollars; two steel frame corrugated galvanized-iron filling houses, twenty by thirty feet each, at one thousand dollars, two thousand dollars; \* \* \*.

Indian Head.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Repairs to creek wharf and water front, three thousand dollars; magazines for experimental purposes, seven thousand dollars; repairs to nitric-acid factory, ten thousand dollars; for grading, draining, clearing brush, five thousand dollars; \* \* \*.

Fort Mifflin.

NAVAL MAGAZINE, FORT MIFFLIN, PENNSYLVANIA: Fresh-water cistern of about sixty-five thousand gallons capacity, with pump and connections, one thousand five hundred and fifty dollars; rebuild sea wall west of pier, ten thousand dollars; renew cribwork and repair wharf, five thousand dollars; \* \* \*.

PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

Naval Ob-  
servatory.

NAVAL OBSERVATORY: Grounds and roads; continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars.

PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

Improve-  
ments, naval  
hospital, Chel-  
sea.

NAVAL HOSPITAL, CHELSEA, MASSACHUSETTS: Changing officers' quarters into wards for enlisted men, and building quarters for officers outside of naval hospital, twenty thousand dollars.

\* \* \* \* \*



ACT MARCH 3, 1905.

## BUREAU OF SUPPLIES AND ACCOUNTS.

*	*	*	*	*
Freight charges, consolidation of.	For freight, Bureau of Supplies and Accounts: "All freight charges pertaining to the Navy Department and its bureaus, except the transportation of coal for the Bureau of Equipment, four hundred thousand dollars."			
*	*	*	*	*

## BUREAU OF STEAM ENGINEERING.

*	*	*	*	*
Machinery plants, navy yards. New York.	For machinery plant, navy-yard, New York, New York: "New and additional tools for copper, boiler, machine, and pattern shops and foundry, and for an additional portable tool house, and for a thirty-foot locomotive crane, forty thousand dollars."			
Pensacola.	Machinery plant, navy-yard, Pensacola, Florida: Tools for use in repair of naval vessels, to replace others worn out, fifteen thousand dollars.			
*	*	*	*	*
Assistant to Chief of Bureau Steam Engineering, creation of.	Provides "that a line officer of the Navy may be detailed as assistant to the Chief of the Bureau of Steam Engineering in the Navy Department, and that such officer during such detail shall receive the highest pay of his grade, and in case of death, resignation, absence, or sickness of the Chief of the Bureau shall, unless otherwise directed by the President, as provided by section one hundred and seventy-nine of the Revised Statutes, perform the duties of such chief until his successor is appointed or such absence or sickness shall cease."			
*	*	*	*	*

## PUBLIC WORKS, MARINE CORPS.

Improvements to barracks, Washington.	For barracks and quarters, Marine Corps: "Completion of guardroom, prison, and amusement room for enlisted men, Washington, District of Columbia, twenty-five thousand dollars."			
Norfolk.	Water tower, rain-water cistern, pumps, and connections with local water service, navy-yard, Norfolk, Virginia, twenty-five thousand dollars.			
*	*	*	*	*

## INCREASE OF THE NAVY.

Two battle-ships.	That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed by contract or in navy-yards as hereinafter provided— Two first-class battle ships, carrying the heaviest armor and most powerful armament for vessels of their			
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class upon a maximum trial displacement of not more than sixteen thousand tons; to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million four hundred thousand dollars each.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and not more than one of the vessels provided for in this act shall be built by one contracting party: *Provided*, That the Secretary of the Navy may build any or all of the vessels herein authorized in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels: *Provided*, That the limit of cost, exclusive of armor and armament, of each of the scout cruisers authorized by the act making appropriations for the Naval Service, approved April twenty-seventh, nineteen hundred and four, be one million nine hundred thousand dollars.

CONSTRUCTION AND MACHINERY: On account of the hulls, outfits, and machinery of vessels and steam machinery of vessels heretofore authorized, twenty-three million four hundred and ten thousand eight hundred and thirty-three dollars.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for vessels authorized, eighteen million dollars.

And *provided further*, That the Secretary of the Navy shall cause a thorough inquiry to be made as to the cost

Contract,  
award of.

Where built.

Construction  
and machinery.

Armor and  
armament.

Armor, in-  
quiry into cost  
of.

of armor plate and of armor plant, the report of which shall be made to Congress.

Equipment.

INCREASE OF THE NAVY, EQUIPMENT: Toward the completion of the equipment outfit of the new vessels authorized, eight hundred and forty-five thousand dollars.

Total increase of the Navy, forty-two million two hundred and fifty-five thousand eight hundred and thirty-three dollars.

Approved, March 3, 1905.



FIFTY-NINTH CONGRESS, FIRST SESSION, JUNE 29, 1906.

[PUBLIC—No. 336.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seven, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

It is \* \* \* “*Provided*, That the Secretary of the Navy may, in his discretion, require the whole or a part of the bounty allowed upon enlistment to be refunded in cases where men are discharged during the first year of enlistment, by request, for inaptitude, as undesirable, or for disability not incurred in line of duty.” Bounty, re-  
fund of.

PAY, MISCELLANEOUS.

\* \* \* \* \*  
To reimburse officers and enlisted men of the Navy and Marine Corps who were on duty under orders in San Francisco during the recent fire in that city for losses of clothing and other personal effects sustained by them through said fire, seven thousand dollars, or so much thereof as may be necessary: *Provided*, That such reimbursement shall be made under regulations to be prescribed by the Secretary of the Navy and upon vouchers to be approved by him in each case. Loss of per-  
sonal effects re-  
imburse for.

That any officer of the Navy not above the grade of captain who served with credit as an officer or as an enlisted man in the regular or volunteer forces during the civil war prior to April ninth, eighteen hundred and sixty-five, otherwise than as a cadet, and whose name is borne on the official register of the Navy, and who has heretofore been, or may hereafter be, retired on account of wounds or disability incident to the service or on account of age or after forty years' service, may, in the discretion of the President, by and with the advice and consent of the Senate, be placed on the retired list of the Navy with the rank and retired pay of one grade above that actually held by him at the time of retirement: *Provided*, That this act shall not apply to any officer who received an advance of grade at or since the date of his retirement or who has been restored to the Navy and placed on the retired list by virtue of the provisions of a special act of Congress. Officers, re-  
tirement of.

That any officer of the Marine Corps below the grade of brigadier-general who served with credit as an officer or as an enlisted man in the regular or volunteer forces during the civil war prior to April ninth, eighteen hundred and sixty-five, otherwise than as a cadet, and whose name is borne on the official register of the Marine Corps, and who has heretofore been, or may hereafter be, retired on account of wounds or disability incident to the service, or on account of age or after forty years' service, may, in the discretion of the President, by and with the advice and consent of the Senate, be placed on the retired list of the Marine Corps with the rank and retired pay of one grade above that actually held by him at the time of retirement: *Provided*, That this act shall not apply to any officer who received an advance of grade since the date of his retirement or who has been restored to the Marine Corps and placed on the retired list by virtue of the provisions of a special act of Congress.

Officers, pay  
of, on shore.

That the provision contained in section thirteen of an act approved March third, eighteen hundred and ninety-nine, entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," reading as follows: "*Provided*, That such officers when on shore shall receive the allowances, but fifteen per centum less pay than when on sea duty; but this provision shall not apply to warrant officers commissioned under section twelve of this act," be, and the same is hereby, repealed.

Chaplains,  
pay of.

That all chaplains now in the Navy above the grade of lieutenant shall receive the pay and allowances of lieutenant-commander in the Navy according to length of service under the provisions of law for that rank, and all chaplains now in the Navy in the grade of lieutenant shall receive their present sea pay when on shore duty: *Provided*, That naval chaplains hereafter appointed shall have the rank, pay, and allowances of lieutenant (junior grade) in the Navy until they shall have completed seven years of service, when they shall have the rank, pay, and allowances of lieutenant in the Navy; and lieutenants shall be promoted, whenever vacancies occur, to the grade of lieutenant-commander, which shall consist of five numbers, and when so promoted shall receive the rank, pay, and allowances of lieutenant-commander in the Navy: *Provided further*, That nothing herein contained shall be held or construed to increase the number of chaplains as now authorized by law or to reduce the rank or pay of any now serving.

That from and after the passage of this act the allowances of civil engineers and professors of mathematics in the Navy shall be the same as are or may be provided by or in pursuance of law for naval constructors, and the allowances of assistant civil engineers the same as for assistant naval constructors.

The Solicitor in the office of the Judge-Advocate-General of the Navy shall hereafter receive an annual salary of four thousand dollars during the services of the present incumbent.

Solicitor,  
pay of.

BUREAU OF NAVIGATION.

TRANSPORTATION, RECRUITING, AND CONTINGENT: Transportation: \* \* \*. It is "*Provided*, That hereafter enlisted men, discharged on account of expiration of enlistment, shall receive in lieu of transportation and subsistence, travel allowance of four cents per mile from the place of discharge to the place of enlistment, for travel in the United States."

Transporta-  
tion upon dis-  
charge.

Recruiting: \* \* \*. It is "*Provided*, That no part of this appropriation shall be expended in recruiting seamen, ordinary seamen, or apprentice seamen, unless a certificate of birth or written evidence, other than his own statement, satisfactory to the recruiting officer, showing the applicant to be of age required by naval regulations, shall be presented with the application for enlistment."

Age, certifi-  
cate as to.

\* \* \* \*

OUTFITS ON FIRST ENLISTMENT: \* \* \*. It is "*Pro-  
vided*, That hereafter the Secretary of the Navy may, in his discretion, require the whole or a part of the cost of outfits allowed upon enlistment to be refunded in cases where men are discharged during the first six months of enlistment for any cause other than disability incurred in line of duty."

Outfits, cost  
of refunded.

\* \* \* \*

For naval training station, Great Lakes: "Maintenance of naval training station: Labor and material; general care; repairs and improvements to grounds, buildings, and pier; street-car fare; purchase and maintenance of live stock, and attendance on same; wagons, carts, implements, and tools, and repairs to same; fire extinguishers; heating, lighting, and furniture; stationery, books, and periodicals; ice, and washing; expressage; packing boxes, and materials; postage, telegraphing, and telephoning, and all other contingent expenses, twenty thousand dollars."

Training  
station, Great  
Lakes, mainte-  
nance of.

\* \* \* \*

NAVAL HOME, PHILADELPHIA, PENNSYLVANIA: \* \* \*. It is "*Provided*, That for the performance of such additional services in and about the Naval Home as may be necessary, the Secretary of the Navy is authorized to employ, on the recommendation of the governor, beneficiaries in said home, whose compensation shall be fixed by the Secretary and paid from the appropriation for the support of the home."

Beneficiaries,  
employment of.

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: \* \* \*. It is "*Pro-  
vided*, That no part of this appropriation shall be ex-

Shells, pur-  
chase of.



pended for the purchase of shells or projectiles except for shells or projectiles purchased in accordance with the terms and conditions of proposals submitted by the Secretary of the Navy to all of the manufacturers of shells and projectiles and upon bids received in accordance with the terms and requirements of such proposals. All shells and projectiles shall conform to the standards prescribed by the Secretary of the Navy."

Modern guns. For modernizing batteries Massachusetts, Oregon, and new guns and armor for New York, four hundred and sixty-six thousand dollars.

\* \* \* \* \*

For machine tools for ordnance machine shop, navy-yard, Boston, fifteen thousand dollars.

\* \* \* \* \*

Reserve powder and shell.

For reserve powder and shell: "Toward the accumulation of a reserve supply of powder and shell, two million dollars: *Provided*, That no part of this appropriation shall be expended for the purchase of shells or projectiles except for shells or projectiles purchased in accordance with the terms and conditions of proposals submitted by the Secretary of the Navy to all of the manufacturers of shells and projectiles and upon bids received in accordance with the terms and requirements of such proposals. All shells and projectiles shall conform to the standards prescribed by the Secretary of the Navy."

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#### BUREAU OF EQUIPMENT.

\* \* \* \* \*

Wireless station, Pacific coast.

For the preparation of sites, furnishing and erecting masts, buildings, and machinery foundations for United States naval wireless telegraph stations on the Pacific coast in the States of Washington, Oregon, and California, to be limited to the purposes above named, sixty-five thousand dollars.

\* \* \* \* \*

#### BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

Chief, Bureau Yards and Docks, eligibility for.

Provides that the Chief of the Bureau of Yards and Docks shall be selected from the members of the Corps of Civil Engineers of the Navy having not less than seven years' active service.

#### PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

Portsmouth.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Railroad and rolling stock, additions, three thousand dollars; sewer system, extension, three thousand dollars; quay walls, to extend, forty thousand dollars; grading, to continue, fif-

teen thousand dollars; central power house, extension, thirty-five thousand dollars; central power plant, extension (to cost one hundred and twenty thousand dollars), sixty thousand dollars; central heating plant, extension, eight thousand dollars; water system, extension, five thousand dollars; workmen's landing near reservoir, one thousand dollars; shelves, racks, and fittings for storehouse numbered eighty-six, five thousand dollars; boiler shop for steam engineering, to complete, seventy-five thousand dollars; in all, two hundred and fifty thousand dollars.

NAVY-YARD, BOSTON, MASSACHUSETTS: Paving, to continue, twenty thousand dollars; dredging, twenty thousand dollars; underground conduit, ten thousand dollars; power house, extension, thirty-nine thousand dollars; refuse kiln, five thousand three hundred dollars; paint room, building numbered seventy-seven, seven hundred and fifty dollars; in all, navy-yard, Boston, ninety-five thousand and fifty dollars.

Boston.

NAVY-YARD, NEW YORK, NEW YORK: Paving and grading, to continue, three thousand dollars; railroad system, extensions, eight thousand dollars; electric plant, extensions, fifty thousand dollars; railroad equipment, additional, five thousand dollars; underground conduits, extensions, five thousand dollars; heating system, extensions, thirty thousand dollars; extension salt water suction and discharge pipes to power house, nine thousand dollars; street-cleaning equipment, three thousand dollars; lean-to for building numbered twenty, three thousand dollars; lean-to for building numbered one hundred and thirty-one, ten thousand dollars; disinfecting plant, two thousand five hundred dollars; in all, navy-yard, New York, New York, one hundred and twenty-eight thousand five hundred dollars.

New York.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, ten thousand dollars; sewer system, extensions, five thousand dollars; dredging and filling in Delaware water front, to continue, fifteen thousand dollars; fire-protection system, extensions, five thousand dollars; extension of reserve basin, to continue dredging, fifty thousand dollars; building for bathing, examination of recruits, and disinfection of clothing, ten thousand dollars; electric capstan for dry dock numbered one, three thousand dollars; central heating system, ten thousand dollars; in all, navy-yard, League Island, one hundred and eight thousand dollars.

League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Paving, to extend, five thousand dollars; underground conduit system, to extend, five thousand dollars; railroad system, to extend, five thousand dollars; heating system, extension, five thousand dollars; water system, to extend, ten thousand dollars; yard wall, to complete, twenty thousand dollars; extension and improvements, telephone

Washington.

and fire-alarm systems, three thousand dollars; extension of gas plant, ten thousand dollars; purchase of land west of yard, to complete, two hundred dollars; in all, navy-yard, Washington, sixty-three thousand two hundred dollars.

Charleston.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Stone and concrete dry dock, to continue, two hundred and fifty thousand dollars; grading and paving, five thousand dollars; railroad system, extensions, five thousand dollars; water system, extension, five thousand dollars; piers and slips, thirty-three thousand dollars; dredging, ten thousand dollars; underground conduit system, five thousand dollars; sewer system, extension, twelve thousand dollars; interior fittings, machine shop for construction and repair, eighteen thousand dollars; foundry and copper shop, to complete, fifty-eight thousand dollars; interior fittings, equipment building, eight thousand five hundred dollars; quay wall at dry dock entrance, forty thousand dollars; dry dock latrines, three thousand dollars; one officers' quarters, seven thousand dollars; dispensary building, twelve thousand dollars; in all, navy-yard, Charleston, South Carolina, four hundred and seventy-one thousand five hundred dollars.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Dredging, to continue, five thousand dollars; paving and grading, additional, two thousand five hundred dollars; fire-protection system, extensions, five thousand dollars; railroad tracks, extensions, five thousand dollars; improvements to building numbered sixteen, five thousand dollars; bollards and capstans for dry docks, five thousand dollars; improvements to forty-ton locomotive crane, two thousand dollars; concrete and granite dry dock, three hundred and fifty thousand dollars; repairs, buildings at Saint Helena, twenty-five thousand dollars; stable, marine barracks, five thousand dollars; in all, navy-yard, Norfolk, Virginia, four hundred and nine thousand five hundred dollars.

Key West.

NAVAL STATION, KEY WEST, FLORIDA: Dredging and filling in, thirty thousand dollars; to complete two officers' quarters, one thousand two hundred dollars; marine railway, to complete, five thousand dollars; sewer system, three thousand dollars; in all, navy-yard, Key West, Florida, thirty-nine thousand two hundred dollars.

Mare Island.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Railroad system, extension, five thousand dollars; electric-plant system, extension, five thousand dollars; improvement of channel in Mare Island Strait, to complete, one hundred thousand dollars; sewer system, extensions, three thousand dollars; paving and grading, to continue, five thousand dollars; heating system, extension, five thousand dollars; improvements to building numbered one hundred and sixty-five, four thousand dollars; improvements and repairs, steam engineering, buildings, fifteen thou-



sand dollars; bridge between buildings forty-five and sixty-five, one thousand dollars; in all, navy-yard, Mare Island, one hundred and forty-three thousand dollars.

NAVY-YARD, PUGET SOUND, WASHINGTON: Sewer system, extensions, three thousand dollars; to continue grading, ten thousand dollars; electric-light plant, extensions, five thousand dollars; water system, extensions, two thousand five hundred dollars; heating system, extensions, four thousand dollars; dredging, to continue, ten thousand dollars; roads and walks, extensions, two thousand five hundred dollars; stone and concrete dry dock (to cost one million two hundred and fifty thousand dollars), one hundred thousand dollars; smithery for construction and repair, to complete, four thousand dollars; telephone system, extensions, one thousand five hundred dollars; central power plant, sixty thousand dollars; water-closet for ships in dock, two thousand five hundred dollars; in all, navy-yard, Puget Sound, Washington, two hundred and five thousand dollars.

Puget Sound.

NAVY-YARD, PENSACOLA, FLORIDA: Water system, five thousand dollars; sewer system, ten thousand dollars; conduits and conductors for distribution of power, five thousand dollars; crib for wooden floating dry dock, twenty thousand dollars; in all, navy-yard, Pensacola, forty thousand dollars.

Pensacola.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Improvement of water front, forty thousand dollars; levee improvement and grading, ten thousand dollars; machinery and tools for yards and docks shop, three thousand dollars; central electric light and power plant, to complete, fifty thousand dollars; rebuilding cross wharf, ten thousand dollars; strengthening approaches to floating dock, nine thousand five hundred dollars; railroad system, five thousand dollars; underground conduit system, five thousand dollars; drainage system, eight thousand dollars; sawmill, boat shop, and storage for construction and repair, sixty thousand dollars; toward the construction of street around naval station in lieu of Patterson street, fifteen thousand dollars; in all, navy-yard, New Orleans, two hundred and fifteen thousand five hundred dollars.

New Orleans.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: Purchase and installation of tools and machinery, one hundred thousand dollars; wharf for floating dry dock, sixty-five thousand dollars; extension of drainage canal, twenty-five thousand dollars; steam floating derrick, seventeen thousand dollars; in all, two hundred and seven thousand dollars.

Olongapo.

NAVAL STATION, ISLAND OF GUAM: Dredging, five thousand dollars; extension of naval-station roads, five thousand dollars; artesian well, two thousand dollars; in all, twelve thousand dollars.

Guam.

NAVAL STATION, HAWAII: For the reclamation of that portion of the naval station at Honolulu, Hawaii, known

Pearl Harbor.

as the Reef, from materials now being dredged from the harbor at Honolulu, and for the necessary dikes or retaining walls, thirty-five thousand dollars, or so much thereof as may be necessary.

Plans and  
specifications.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: Plans and estimates required by section thirty-six hundred and sixty-three, Revised Statutes, and plans and specifications for public works, thirty thousand dollars.

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#### PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

Naval Acad-  
emy.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: Toward the construction of buildings, and for other necessary improvements at the Naval Academy, Annapolis, Maryland, as authorized by the acts of Congress approved June seventh, nineteen hundred, and March third, nineteen hundred and three, seven hundred and fifty thousand dollars.

#### PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Naval train-  
ing stations,  
California.

NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: New power plant, with wharf and fuel storage, thirty-nine thousand two hundred and fifty dollars; gymnasium, three thousand five hundred dollars; laundry shed, two thousand dollars; repairs to barracks, twenty-two thousand dollars; roads and grounds, three thousand dollars; in all, sixty-nine thousand seven hundred and fifty dollars.

Rhode Is-  
land.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Repairs to barracks "B," fifteen thousand dollars; salt-water pumping system, sixteen thousand dollars; artesian well and water system, seventeen thousand seven hundred dollars; underground conduit system, three thousand two hundred dollars; garbage incinerating plant, nine thousand dollars; improving and grading grounds, roadways, paths, and drains, and filling stagnant basins, five thousand dollars; sewerage system, extension, two thousand seven hundred and fifty dollars; in all, naval training station, Rhode Island, sixty-eight thousand six hundred and fifty dollars.

Naval War  
College.

NAVAL WAR COLLEGE, RHODE ISLAND, BUILDINGS: For additional book stacks, cases, and racks for the storage and preservation of books, maps, and records, one thousand two hundred dollars.

Great Lakes.

NAVAL TRAINING STATION, GREAT LAKES, BUILDINGS: Toward the construction of buildings at the naval training station, Great Lakes, seven hundred and fifty thousand dollars: *Provided*, That before any part of this sum is expended complete plans shall be prepared and approved by the Secretary of the Navy covering the contemplated new buildings at the naval training station,

Great Lakes, which plans shall involve a total expenditure of not more than two million dollars: *And provided further*, That the Secretary of the Navy shall pay a fair and reasonable price for the plans herein provided for, in no event to exceed three and one-half per centum of the estimated cost of the improvements, and thereafter no money shall be expended or obligation incurred for architects except that the Secretary of the Navy is hereby authorized to employ in his discretion a consulting architect at a compensation not exceeding five thousand dollars per annum.

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PUBLIC WORKS, BUREAU OF ORDNANCE.

NAVAL MAGAZINE, DOVER, NEW JERSEY: One brick building to be used for drying smokeless powder, four thousand five hundred dollars; electric lights and feed wires for magazines numbered four and five, six hundred dollars; in all, naval magazine, Dover, Lake Denmark, New Jersey, five thousand one hundred dollars. Naval magazines, Dover.

NAVAL MAGAZINE, SAINT JULIENS CREEK, NORFOLK, VIRGINIA: One galvanized-iron storehouse, twenty-five thousand dollars; in all, twenty-five thousand dollars. St. Juliens Creek.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Telephones to range station, three thousand five hundred dollars; purchase and installation of six boiling tubs, one thousand two hundred dollars; extending pulping house, and altering installation of poachers, two thousand five hundred dollars; subdivision of trolley system for fire service, three thousand five hundred dollars; additional magazines, six thousand dollars; extension of railroad system, three thousand dollars; in all, naval proving ground, Indian Head, nineteen thousand seven hundred dollars. Indian Head.

Naval magazine, Fort Mifflin, Pennsylvania: Extension of fire service, three thousand dollars; completion of sea wall south of wharf, three thousand dollars; in all, six thousand dollars. Fort Mifflin.

Naval magazine, New England coast: Toward securing the land and the erection of the necessary buildings on ground, the purchase of which is now under negotiation, as authorized by the act approved April twenty-seventh, nineteen hundred and four, for a new naval magazine on the New England coast; also toward inclosing said grounds, grading and filling in, building roads and walks, improvement of the water front, necessary wharves and cranes, railroad tracks, and rolling stock for local service, fire and water service, and equipment of the establishment, including the service of such additional expert aids, surveyors, architects, superintendents of construction, or draftsmen, as may be necessary for the prepara- New England coast.



tion of the plans and specifications and prosecution of the work to an extent not to exceed fifteen thousand dollars, two hundred thousand dollars: *Provided*, That when the naval magazine on or near the New England coast provided for by an act of Congress approved April twenty-seventh, nineteen hundred and four, is completed, the Secretary of the Navy shall discontinue the present magazine in the city of Chelsea, Massachusetts, and sell such portion of the magazine and naval hospital grounds in said city of Chelsea as is undesirable for hospital purposes at public auction or private sale, upon such terms and conditions as shall be satisfactory to him, and the money derived from such sale shall be applied to remodeling and modernizing the hospital buildings now on said hospital grounds, and the balance of said money, if there be any after said remodeling and modernization, shall be placed to the credit of the hospital fund of the Navy.

Fort Lafayette. Naval magazine, Fort Lafayette, New York: Necessary improvements to dock and sea wall, two thousand dollars.

Mare Island. Naval magazine, Mare Island, California: One magazine building, thirty by eighty feet, seven thousand dollars; extension of building "A5" fifty feet, three thousand one hundred dollars; extension of primer house twenty by twenty feet, one thousand two hundred dollars; in all, eleven thousand three hundred dollars.

Pensacola. Naval magazine, Pensacola, Florida: Standpipe, with pump and necessary piping for connection with present magazine and shell houses, five thousand dollars.

Torpedo station, Newport. Torpedo station, Newport, Rhode Island: Repairs to sea wall, five thousand three hundred dollars; extension of compressor room, one thousand one hundred dollars; extension of tinsmith shop, one thousand eight hundred dollars; new paint shop, one thousand two hundred dollars; in all, nine thousand four hundred dollars.

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#### PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

Naval Observatory. NAVAL OBSERVATORY: Grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars.

#### PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

Improvements, naval hospitals. Naval hospital, Yokohama, Japan: For purchase of land adjoining present hospital grounds, five thousand dollars.

Yokohama. Naval hospital, Yokohama, Japan: For purchase of land adjoining present hospital grounds, five thousand dollars.

Newport. Naval hospital, Newport, Rhode Island: Changing officers' quarters into wards for enlisted men, and building quarters for all officers outside of naval hospital, twenty thousand dollars, not more than fifteen thousand dollars of which shall be spent for all officers' quarters.

Norfolk. Naval hospital, Norfolk, Virginia: For the renovation of the present hospital buildings and the erection of new

wards, to cost not to exceed two hundred thousand dollars, one hundred thousand dollars.

Naval hospital, Canacao, Philippine Islands: For boring an artesian well, and for necessary machinery and appurtenances, seven thousand dollars.

Canacao.

Naval hospital, Mare Island, California: For a surgical-ward building for operating room and surgical cases, twelve thousand dollars; for a new building for infectious diseases, eight thousand dollars; and for a new power house, five thousand dollars; in all, twenty-five thousand dollars.

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PUBLIC WORKS, MARINE CORPS.

Barracks and quarters, Marine Corps: Erection and equipment of two laundries for enlisted men, marine barracks, twelve thousand dollars;

Marine barracks.

For the completion of marine barracks on the Schmoele tract of land at the Norfolk Navy-Yard, in the State of Virginia, including plumbing, interior woodwork, painting, grading, and proper connections with the local waterworks, fifteen thousand dollars; for the construction of two additional sets of officers' quarters, Norfolk Navy-Yard, twenty-four thousand dollars; in all, Norfolk Navy-Yard, thirty-nine thousand dollars;

Schmoele tract.

For the erection of marine barracks and officers' quarters, naval station, New Orleans, Louisiana, fifteen thousand dollars, which sum shall be in addition to fifteen thousand dollars appropriated for this object in the naval appropriation act approved March third, nineteen hundred and one, and six thousand five hundred dollars provided in the naval appropriation act approved April twenty-seventh, nineteen hundred and four;

New Orleans.

For the erection of marine barracks and completion of officers' quarters, marine barracks, naval training station, San Francisco, California, fifteen thousand dollars;

San Francisco.

For the necessary repairs and improvements to such buildings at the naval station, New London, Connecticut, as have been assigned to the Marine Corps by the Navy Department, twenty-five thousand dollars;

New London.

For the purchase of land adjoining marine reservation, naval station, Sitka, Alaska, four hundred dollars;

Sitka.

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BUREAU OF SUPPLIES AND ACCOUNTS.

PROVISIONS, NAVY: \* \* \*

It is "Provided, That sections fifteen hundred and eighty and fifteen hundred and eighty-one, Revised Statutes, be amended to read as follows:

"SEC. 1580. The navy ration shall consist of the following daily allowance of provisions to each person: One pound and a quarter of salt or smoked meat, with

Navy ration, components of.

three ounces of dried or six ounces of canned or preserved fruit, and three gills of beans or pease, or twelve ounces of flour; or one pound of preserved meat, with three ounces of dried or six ounces of canned or preserved fruit and eight ounces of rice or twelve ounces of canned vegetables, or six ounces of desiccated vegetables; together with one pound of biscuit, two ounces of butter, four ounces of sugar, two ounces of coffee or cocoa, or one-half ounce of tea and one ounce of condensed milk or evaporated cream; and a weekly allowance of one-quarter pound of macaroni, four ounces of cheese, four ounces of tomatoes, one-half pint of vinegar or sauce, one-quarter pint of pickles, one-quarter pint of molasses, four ounces of salt, one-half ounce of pepper, one-eighth ounce of spices, and one-half ounce of dry mustard. Seven pounds of lard, or a suitable substitute, shall be allowed for every hundred pounds of flour issued as bread, and such quantities of yeast and flavoring extracts as may be necessary.

“SEC. 1581. The following substitution for the components of the ration may be made when deemed necessary by the senior officer present in command: “For one and one-quarter pounds of salt or smoked meat or one pound of preserved meat, one and three-quarter pounds of fresh meat or fresh fish, or eight eggs; in lieu of the articles usually issued with salt, smoked, or preserved meat, one and three-quarter pounds of fresh vegetables; for one pound of biscuit, one and one-quarter pounds of soft bread or eighteen ounces of flour; for three gills of beans or pease, twelve ounces of flour or eight ounces of rice or other starch food, or twelve ounces of canned vegetables; for one pound of condensed milk or evaporated cream, one quart of fresh milk; for three ounces of dried or six ounces of canned or preserved fruit, nine ounces of fresh fruit; and for twelve ounces of flour or eight ounces of rice or other starch food, or twelve ounces of canned vegetables, three gills of beans or pease; in lieu of the weekly allowance of one-quarter pound of macaroni, four ounces of cheese, one-half pint of vinegar or sauce, one-quarter pint of pickles, one-quarter pint of molasses, and one-eighth ounce of spices, three pounds of sugar, or one and a half pounds of condensed milk, or one pound of coffee, or one and a half pounds of canned fruit, or four pounds of fresh vegetables, or four pounds of flour.

““An extra allowance of one ounce of coffee or cocoa, two ounces of sugar, four ounces of hard bread or its equivalent, and four ounces of preserved meat or its equivalent shall be allowed to enlisted men of the engineer and dynamo force who stand night watches between eight o'clock postmeridian and eight o'clock antimeridian, under steam.””

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BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: \* \* \*. It is Constitution.  
*"Provided, \* \* \** That one hundred thousand dollars, or such portion thereof as may be necessary, shall be used to repair, equip, and restore the frigate Constitution, as far as may be practicable, to her original condition, but not for active service: *And provided further,* That the sum of three hundred thousand dollars from the unexpended balance under appropriations 'Construction and repair of vessels' for the fiscal year ending June thirtieth, nineteen hundred and four, is hereby reappropriated for 'Construction and repair of vessels' for the fiscal year ending June thirtieth, nineteen hundred and seven."

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BUREAU OF STEAM ENGINEERING.

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Machinery plant, navy-yard, Portsmouth, New Hampshire: To outfit new shops, authorized and completed or nearly completed, with new power tools, and to replace obsolete and worn-out machine tools, fifty thousand dollars; to outfit boiler shop, now building, with cranes, annealing furnace, machine and hand tools, motors and fixtures, sixty thousand dollars; in all, one hundred and ten thousand dollars. Machinery plants at navy yards. Portsmouth.

Machinery plant, navy-yard, Norfolk, Virginia: For machine tools to equip machine and boiler shop extension, twenty-five thousand dollars. Norfolk.

Machinery plant, naval station, New Orleans, Louisiana: For additional machine tools to complete the equipment of shops authorized and nearing completion, twenty-five thousand dollars. New Orleans.

Machinery plant, navy-yard, Charleston, South Carolina: Toward equipment of shops already authorized, fifty thousand dollars. Charleston.

Engineering experimental station, United States Naval Academy, Annapolis, Maryland \* \* \*.

Experimental and research work: For original investigation and extended experimentation of naval appliances; and for the purchase of such machines and auxiliaries considered applicable for test and use in the naval service, twenty-five thousand dollars. Experimental and research work.

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NAVAL ACADEMY.

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Provides "No person shall be admitted for instruction at the Naval Academy at Annapolis from any foreign country except upon authority of law hereafter enacted." Foreigners, instruction of.

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Midshipmen,  
appointment  
of.

Hereafter the Secretary of the Navy shall, as soon as possible after the first day of June of each year preceding the graduation of midshipmen in the succeeding year, notify in writing each Senator, Representative, and Delegate in Congress of any vacancy that will exist at the Naval Academy because of such graduation, or that may occur for other reasons and which he shall be entitled to fill by nomination of a candidate and one or more alternates therefor. The nomination of a candidate and alternate or alternates to fill said vacancy shall be made upon the recommendation of the Senator, Representative, or Delegate, if such recommendation is made by the fourth day of March of the year following that in which said notice in writing is given, but if it is not made by that time the Secretary of the Navy shall fill the vacancy by appointment of an actual resident of the State, Congressional district, or Territory, as the case may be, in which the vacancy will exist, who shall have been for at least two years immediately preceding the date of his appointment an actual and bona fide resident of the State, Congressional district, or Territory in which the vacancy will exist and of the legal qualification under the law as now provided. In cases where by reason of a vacancy in the membership of the Senate or House of Representatives, or by the death or declination of a candidate for admission to the academy there occurs or is about to occur at the academy a vacancy from any State, district, or Territory that can not be filled by nomination as herein provided, the same may be filled as soon thereafter and before the final entrance examination for the year as the Secretary of the Navy may determine. The candidates allowed for the District of Columbia and all the candidates appointed at large, together with alternates therefor, shall be selected by the President within the period herein prescribed for nomination of other candidates: *Provided*, That the President may select a candidate for the District of Columbia for the year nineteen hundred and eight.

Two professors of mathematics.

That the President be authorized to appoint, by and with the advice and consent of the Senate, two additional professors of mathematics in the Navy, who shall be extra numbers in said list, and who shall take rank therein according to that held by them respectively when so appointed, if such appointees are officers of the Navy, otherwise at the foot of said list.

Records of ships, Revolutionary War.

That all records (such as muster and pay rolls and reports) relating to the personnel and operations of public and private armed vessels of the North American colonies in the war of the Revolution now in any of the Executive Departments shall be transferred to the Secretary of the Navy, to be preserved, indexed, and prepared for publication.

MARINE CORPS.

\* \* \* \* \*

Deposits: For interest on soldiers' deposits, three thousand dollars, and so much as may be necessary to refund such deposits: *Provided*, That hereafter enlisted men of the Marine Corps shall be entitled to deposit their savings with the United States, through any paymaster, in the same manner and under the same conditions as is now or may hereafter be provided for the enlisted men of the Navy: *Provided, however*, That the sums so deposited shall pass to the credit of the appropriation for pay of the Marine Corps.

Deposits by marines.

\* \* \* \* \*

INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed by contract or in navy-yards as hereinafter provided—

One first-class battle ship, carrying as heavy armor and as powerful armament as any known vessel of its class, to have the highest practicable speed and greatest practicable radius of action, and to cost, exclusive of armament and armor, not exceeding six million dollars: *Provided*, That before approving any plans or specifications for the construction of such battle ship the Secretary of the Navy shall afford, by advertisement or otherwise, in his discretion, a reasonable opportunity to any competent constructor who may desire so to do, to submit plans and specifications for his consideration, for which said plans, should the same be used by the Department and be not submitted by or on behalf of a successful bidder for the contract, such compensation shall be paid as the Secretary of the Navy shall deem just and equitable out of the amount herein appropriated under the head "Contingent, Navy": *Provided*, That before any proposals for said battle ship shall be issued or any bids received and accepted the Secretary of the Navy shall report to Congress at its next session full details covering the type of such battle ship and the specifications for the same, including its displacement, draft, and dimensions, and the kind and extent of armor and armament therefor.

One battle-ship.

Three torpedo-boat destroyers, to have the highest practicable speed, and to cost, exclusive of armament, not to exceed seven hundred and fifty thousand dollars each.

Three torpedo-boat destroyers.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery: *Provided*, That any bid for the construction of any of said vessels upon



the Pacific coast shall have a differential of four per centum in its favor, which shall be considered by the Secretary of the Navy in awarding contracts for the construction of said vessels; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and not more than one of the vessels provided for in this act shall be built by one contracting party: *Provided*, That the Secretary of the Navy may build any or all of the vessels herein authorized in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels: *Provided*, That the limit of cost, exclusive of armor and armament, of the battle ship Connecticut, authorized by the act of Congress approved July first, nineteen hundred and two, be increased to four million six hundred thousand dollars, and that the limit of cost, exclusive of armor and armament, of each of the two training vessels authorized by the act of Congress approved March third, nineteen hundred and three, be increased to four hundred and ten thousand dollars: *And provided further*, That the limit of cost, exclusive of armor and armament, of each of the two colliers authorized by the act of Congress approved April twenty-seventh, nineteen hundred and four, be increased to one million five hundred and fifty thousand dollars.

Connecticut.

Submarines,  
\$1,000,000 for.

The Secretary of the Navy is hereby authorized, in his discretion, to contract for or purchase subsurface or submarine torpedo boats, to an amount not exceeding one million dollars, after such tests as he shall see fit to prescribe, to determine the comparative efficiency of the different boats for which bids may be submitted: *Provided*, That such tests shall take place within nine months

from the date of the passage of this act; and for such purpose the sum of five hundred thousand dollars is hereby appropriated.

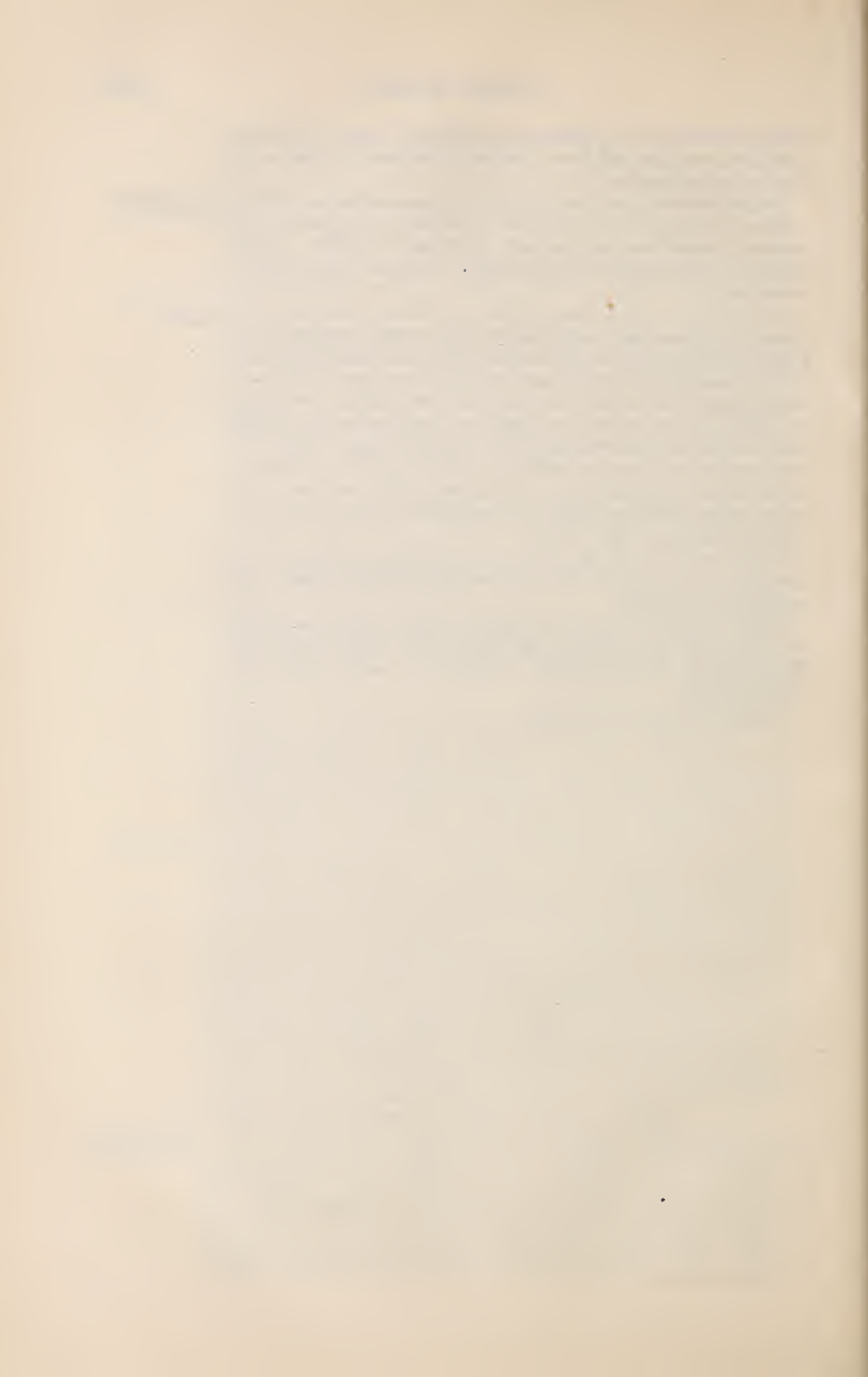
CONSTRUCTION AND MACHINERY: On account of hulls, outfits, and machinery of vessels and steam machinery of vessels heretofore authorized, seventeen million eight hundred and thirty thousand eight hundred and twenty-nine dollars. Construction and machinery.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for vessels authorized. fifteen million one hundred and forty-five thousand dollars: *Provided*, That no part of this appropriation shall be expended for armor for vessels except upon contracts for such armor when awarded by the Secretary of the Navy, to the lowest responsible bidder, having in view the best results and most expeditious delivery. But this provision shall not apply to or interfere with contracts for such armor already entered into, signed and executed by the Secretary of the Navy. Armor and armament.

Total increase of the Navy, thirty-three million four hundred and seventy-five thousand eight hundred and twenty-nine dollars.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority be given for such expenditure.

Approved, June 29, 1906.





# FIFTY-NINTH CONGRESS, SECOND SESSION—MARCH 2, 1907.

[PUBLIC—No. 171.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eight, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

## PAY OF THE NAVY.

Provides \* \* \* “For hire of quarters for officers <sup>Quarters, hire of.</sup> serving with troops where there are no public quarters belonging to the Government, and where there are not sufficient quarters possessed by the United States to accommodate them, or commutation of quarters not to exceed the amount which an officer would receive were he not serving with troops, and the proper accounting officers of the Treasury are hereby authorized and directed to allow in the settlement of accounts of disbursing officers all payments made since November thirteenth, nineteen hundred and five, and prior to July first, nineteen hundred and seven, for commutation of quarters for officers on shore serving with troops and not provided with public quarters; \* \* \*.”

## BUREAU OF ORDNANCE.

\* \* \* \* \*  
For ammunition and other supplies for new ships, <sup>Ammunition for new ships.</sup> seven hundred and fifty thousand dollars.  
\* \* \* \* \*

For modernizing the battery of the Iowa, thirty-six thousand dollars. <sup>Iowa.</sup>

For modernizing the batteries of the Monterey and the Monadnock, twenty thousand dollars. <sup>Monterey. Monadnock.</sup>

For providing new turret sights for the four monitors of the Arkansas class, sixteen thousand dollars. <sup>Arkansas.</sup>

New battery for the Brooklyn, one hundred and seventy-seven thousand two hundred dollars. <sup>Brooklyn.</sup>

For completing the work of modifying four-inch forty-caliber mounts, and providing new sights; and for modifying five-inch forty-caliber mounts, and providing new sights for same, one hundred thousand dollars. <sup>New sights and mounts.</sup>

For fire-control instruments for nineteen battleships and twelve armored cruisers; for fire control instruments for four monitors and twenty-five cruisers, three hundred thousand dollars. <sup>Fire-control instruments.</sup>

Mines and  
mine appli-  
ances.

For the manufacture, purchase, repair, and maintenance of a reserve stock of mines and mine appliances, one hundred thousand dollars.

Torpedoes,  
conversion of.

For fifty eighteen-inch torpedoes; converting destroyers to modern boats; converting three and fifty-five one-hundredths meter boats to five-meter boats, three hundred thousand dollars.

\* \* \* \* \*

Reserve tor-  
pedoes.

RESERVE TORPEDOES AND APPLIANCES: For the purchase or manufacture of reserve torpedoes and appliances, two hundred and fifty thousand dollars: *Provided*, That of this amount not more than one hundred and fifty-five thousand dollars shall be used for the construction and equipment of a torpedo factory at the torpedo station at Newport, Rhode Island.

\* \* \* \* \*

#### BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

#### PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

Portsmouth.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Railroad and rolling stock, two thousand dollars; sewer system, extension, two thousand dollars; quay walls, to extend, twenty thousand dollars; grading, to continue, fifteen thousand dollars; central power plant, to complete, sixty thousand dollars; blasting in front of quay wall (to cost one hundred and ten thousand dollars), fifty thousand dollars; naval prison laundry, three thousand dollars; naval prison cooking and baking plant, three thousand two hundred dollars; naval prison, furniture and fittings, eight thousand five hundred dollars; naval prison, administration building, to complete, ten thousand dollars; pattern shop for steam engineering, to complete, sixty-one thousand two hundred dollars; track for forty-ton crane, extension, ten thousand dollars, the limit of cost to be forty-six thousand eight hundred dollars; in all, two hundred and forty-four thousand nine hundred dollars.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: Paving, to continue, twenty thousand dollars; third floor, building numbered one hundred and seven, six thousand dollars; electric plant, extensions, twenty-five thousand dollars; heating system, extensions, seventeen thousand five hundred dollars; railroad rolling stock, three thousand dollars; telephone system, extensions, one thousand dollars; railroad system, extensions, two thousand dollars; repairs to dry dock numbered one, fifteen thousand dollars; completing building numbered one hundred and eight, five thousand dollars; salt water flushing for dry dock numbered two, two thousand five hundred dollars; water-closet between dry docks, ten thousand dollars; improv-

ing rope walk building, ten thousand dollars; improvements to naval prison, two thousand five hundred dollars; improvements to building numbered forty-two, nine thousand dollars; in all, navy-yard, Boston, one hundred and twenty-eight thousand five hundred dollars.

NAVY-YARD, NEW YORK, NEW YORK: Electric plant, extensions, twenty-five thousand dollars; underground conduits, extensions, fifteen thousand dollars; heating system, extensions, twenty thousand dollars; electric motors for pump well valves, seven thousand dollars; electric elevators, ten thousand dollars; central power plant, to complete, one hundred and forty thousand dollars; for side walk on Flushing avenue and Navy street in front of the Navy-Yard, ten thousand eight hundred dollars; railroad equipment, additional, five thousand dollars; railroad system, extensions, ten thousand dollars; sewers and drains, ten thousand dollars; cement storehouse, eleven thousand dollars; in all, navy-yard, New York, New York, two hundred and sixty-three thousand eight hundred dollars.

New York.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, fifty thousand dollars; sea wall, extension, fifty thousand dollars; berth for receiving ship, to extend, twenty-five thousand five hundred dollars; in all, navy-yard, League Island, one hundred and twenty-five thousand five hundred dollars.

League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Paving, to extend, ten thousand dollars; grading, to extend, ten thousand dollars; quay wall, twenty-five thousand dollars; railroad bridge and tracks, forty thousand dollars; in all, navy-yard, Washington, eighty five thousand dollars.

Washington.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Stone and concrete dry dock, to complete, fifty thousand dollars; grading and paving, fifteen thousand dollars; railroad system, extensions, fifteen thousand dollars; dredging, ninety-eight thousand dollars; conduit system, extension, ten thousand dollars; sewer system, extension, five thousand dollars; central power plant, thirty thousand dollars; railroad equipment, five thousand dollars; quay wall, thirty-four thousand dollars; heating system, extensions, fifteen thousand dollars; electric system, extension, ten thousand dollars; in all, navy-yard, Charleston, South Carolina, two hundred and eighty-seven thousand dollars.

Charleston.

NAVY-YARD, NORFOLK, VIRGINIA: Paving and grading, additional, ten thousand dollars; railroad tracks, extensions, eight thousand dollars; rebuilding coal wharf, twenty-five thousand dollars; telephone system, extensions, two thousand five hundred dollars; electric plant, extensions, twenty thousand dollars; machine shop for steam engineering, to complete, twenty-five thousand dollars; concrete and granite dry dock, to complete, one hun-

Norfolk.



dred thousand dollars; improvements to one-hundred-ton shears, to complete, twenty thousand dollars; repairs, buildings, Saint Helena, twenty-five thousand dollars; central power plant, one hundred and thirty thousand dollars; in all, navy-yard, Norfolk, Virginia, three hundred and sixty-five thousand five hundred dollars.

Key West. NAVAL STATION, KEY WEST, FLORIDA: Dredging and filling in, twenty-five thousand dollars; grading and paving, five thousand dollars; sidewalks along outside station wall on Government property, two thousand five hundred dollars; water systems, extensions, two thousand dollars; removing steel tanks from Dry Tortugas, ten thousand dollars; in all, navy-yard, Key West, Florida, forty-four thousand five hundred dollars.

Mare Island. NAVY-YARD, MARE ISLAND, CALIFORNIA: Railroad system, extension, five thousand dollars; electric-plant system, extension, ten thousand dollars; sewer system, extensions, three thousand dollars; heating system, extension, five thousand dollars; telephone system, extensions, one thousand dollars; electric capstans for dry dock numbered one, ten thousand dollars; extension of building numbered one hundred and nineteen, block and cooper shop, fifteen thousand dollars; improvements to building numbered ninety-six, shipfitters' shop, three thousand dollars; improvements to buildings numbered sixty-nine and seventy-one, twenty thousand dollars; improvements to coal cylinders, seven thousand five hundred dollars; workshop for electrical class, three thousand dollars; channel moorings, Mare Island Strait, nine thousand dollars; enlarging and moving dispensary building, six thousand dollars; improvements to naval prison, fifty thousand dollars; central light and power plant at Mare Island Navy-Yard, California, one hundred thousand dollars; removal of office building numbered one hundred and three, one thousand dollars; in all, navy-yard, Mare Island, two hundred and forty-eight thousand five hundred dollars.

Puget Sound. NAVY-YARD, PUGET SOUND, WASHINGTON: To continue grading, ten thousand dollars; electric-light plant, extensions, six thousand dollars; water system, extensions, five thousand dollars; heating system, extensions, five thousand dollars; roads and walks, extensions, two thousand five hundred dollars; stone and concrete dry dock, to continue, two hundred thousand dollars; quay wall, extensions, thirty thousand dollars; in all, navy-yard, Puget Sound, Washington, two hundred and fifty-eight thousand five hundred dollars.

Pensacola. NAVY-YARD, PENSACOLA, FLORIDA: Machinery for central power plant, thirty-five thousand dollars; conduit system, two thousand five hundred dollars; improvements to storehouse, building numbered twenty-five, five thousand dollars; and to enable the Secretary of the Navy to repair and reconstruct, where necessary, the buildings,

wharves, and other public works recently damaged by hurricane at the navy-yard, Pensacola, two hundred thousand dollars; in all, navy-yard, Pensacola, two hundred and forty-two thousand five hundred dollars.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Improvement of water front, twenty-five thousand dollars; levee improvement and grading, twenty-five thousand dollars; central electric light and power plant, extension, fifty thousand dollars; railroad system, five thousand dollars; drainage system, ten thousand dollars; central heating plant, eighteen thousand dollars; paving, ten thousand dollars; fitting up yard buildings eight and sixteen, four thousand three hundred dollars; dispensary building, nine thousand dollars; in all, navy-yard, New Orleans, one hundred and fifty-six thousand three hundred dollars.

New Orleans.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: Water system, forty thousand dollars; quay walls, fifty thousand dollars; in all ninety thousand dollars.

Olongapo.

NAVAL STATION, ISLAND OF GUAM: Dredging, seven thousand five hundred dollars; extension of naval-station roads, five thousand dollars; water supply system, ten thousand dollars; in all, twenty-two thousand five hundred dollars.

Guam.

NAVAL STATION, HAWAII: Grading, curbing, and fencing, one thousand one hundred dollars; fender timbers, piers one and two, two thousand dollars; in all, three thousand one hundred dollars.

Pearl Harbor.

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Extension of building numbered sixty-four, seven thousand five hundred dollars; boat-storage shed, four thousand dollars; improvement of naval prison, one thousand five hundred dollars; in all, thirteen thousand dollars.

Cavite.

NAVAL STATION, CULEBRA, PORTO RICO: Clearing and grading, one thousand five hundred dollars; fencing, five hundred dollars; in all, two thousand dollars.

Porto Rico.

NAVAL STATION, TUTUILA: Barracks for native guard, five thousand dollars; operating room, one thousand dollars; in all, six thousand dollars.

Tutuila.

GOVERNMENT LANDING, NEWPORT, RHODE ISLAND: Steel floats, fences, dredging, and general improvements, seven thousand eight hundred and forty dollars.

Newport.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: Plans and estimates required by section thirty-six hundred and sixty-three, Revised Statutes, and plans and specifications for public works, thirty thousand dollars.

Plans for public works.

\* \* \* \* \*

PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: To complete the construction of buildings, and for other necessary improvements at the Naval Academy, Annapolis, Maryland, as authorized by the acts of Congress approved

Naval Academy.

June seventh, nineteen hundred, and March third, nineteen hundred and three, three hundred and eighty thousand dollars.

Lepers provided for.

BUILDINGS FOR LEPERS, ISLAND OF GUAM: Naval station, island of Guam: Maintenance and care of lepers and other special patients, sixteen thousand dollars; in all, sixteen thousand dollars.

Total public works under Secretary's office, three hundred and ninety-six thousand dollars.

#### PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Naval training stations. California.

NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: For extra service pipe to Oakland shore, fifteen thousand dollars; to repair roads, one thousand dollars. To paint barracks buildings and officers' quarters, three thousand dollars; dispensary building, to cost not exceeding twenty thousand dollars; in all, thirty-nine thousand dollars.

Rhode Island.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Improving and grading grounds and roads, two thousand five hundred dollars; rebuilding old timber wharf and improving water front, nine thousand three hundred dollars; refrigerating plant, increase, seven thousand nine hundred and fifty dollars; artesian and fresh-water system (to extend), three thousand five hundred dollars; grading and walks at barracks "C," two thousand dollars; dredging channel and basin, five thousand dollars; steam-distributing lines, six thousand three hundred dollars; increase of heating and lighting plant, five thousand three hundred dollars; sanitary, heating, and ventilating system in barracks "B," nine thousand eight hundred and forty dollars; completion and repairs, three double sets of officers' quarters, four thousand two hundred and thirty-two dollars; furnishing assembly, lecture, and reading room, and improving basement story, two thousand nine hundred and ninety dollars; in all, naval training station, Rhode Island, fifty-eight thousand nine hundred and twelve dollars.

Great Lakes.

NAVAL TRAINING STATION, GREAT LAKES, BUILDINGS: Toward the continuance of construction of buildings in accordance with the provisions of the act of Congress approved June twenty-ninth, nineteen hundred and six, five hundred thousand dollars.

Electrical mains and conduits, heating mains and concrete conduits, heating station equipment, power plant equipment, water supply and sewage disposal, two hundred thousand dollars; in all, seven hundred thousand dollars.

In all, public works, Bureau of Navigation, seven hundred and ninety-seven thousand nine hundred and twelve dollars.



PUBLIC WORKS, BUREAU OF ORDNANCE.

NAVAL MAGAZINE, DOVER, NEW JERSEY: Two brick magazine buildings, each seventy-five feet by forty feet, to be known as magazines numbered six and seven, with the necessary railroad tracks to connect with the present system, twenty-two thousand dollars; in all, naval magazine, Dover, Lake Denmark, New Jersey, twenty-two thousand dollars.

Naval magazines, Dover.

NAVAL MAGAZINE, SAINT JULIENS CREEK, NORFOLK, VIRGINIA: One brick magazine building, fifty feet by one hundred feet, fourteen thousand dollars; in all, fourteen thousand dollars.

St. Juliens Creek.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Shell and mount storehouse, including twenty-ton traveling crane and five-ton auxiliary hoist, to cost not exceeding twenty thousand five hundred dollars; laboratory annex, five thousand dollars; nitrate of soda storehouse, to replace building destroyed by fire, four thousand five hundred dollars; ether vault and tank, one thousand three hundred and eighty dollars; pyro storehouse, eight hundred and fifty dollars; completion of bomb proof for velocity battery, nine hundred dollars; clearing underbrush, care of grounds, and preservation of permanent way of railroad tracks, one thousand dollars; in all, naval proving ground, Indian Head, thirty-four thousand one hundred and thirty dollars.

Indian Head.

Naval magazine, Fort Mifflin, Pennsylvania: Repairs to wharf and railroad track, five thousand dollars; installation of drainage system for five dwellings to discharge into river at low-water mark, two thousand five hundred dollars; one building of corrugated steel construction, eighteen by thirty-two feet, for use of workmen, one thousand two hundred dollars; in all, eight thousand two hundred dollars.

Fort Mifflin.

Naval magazine, New England coast: Toward the erection of the necessary buildings on ground, the purchase of which is now under negotiation, as authorized by the act approved April twenty-seventh, nineteen hundred and four, for a new naval magazine on the New England coast; also toward inclosing said grounds, grading and filling in, building roads and walks, improvement of the water front, necessary wharves and cranes, railroad tracks, and rolling stock for local service, fire and water service, and equipment of the establishment, one hundred and thirty thousand dollars.

New England coast.

Naval magazine, Mare Island, California: Toward additional magazine and storage facilities, quarters for gunners, fencing, extension of wharf, fire mains, lighting, telephone and railroad systems, and equipment pertaining thereto, fifty thousand dollars.

Mare Island.

Newport.

Torpedo station, Newport, Rhode Island: Rebuilding the oldest section of sea wall, five thousand dollars; ferry slip at torpedo station and Government landing, seven thousand five hundred dollars; in all, twelve thousand five hundred dollars.

Iona Island.

Naval magazine, New York Harbor: For naval magazine, New York Harbor (Iona Island): Extension to locomotive house to hold number two compressed-air locomotive, eight hundred dollars; installing fire protection, standpipes, and nozzles in storehouse numbered one, one thousand and fifty dollars; one additional magazine building, standard construction, with grading of sites, fifteen thousand dollars; two filling houses, with steam heating, two thousand dollars; extension of railroad tracks, and new sidings, three thousand dollars; one heat-test house, one thousand dollars; extending sewers, five hundred dollars; primer house, six hundred dollars; in all, twenty-three thousand nine hundred and fifty dollars.

Puget Sound.

Naval magazine, Puget Sound, Washington: For necessary buildings, water and fire system; fencing, clearing, and grading; railroad tracks, and equipment of the naval magazine, Puget Sound, on ground recently acquired for the purpose, total cost of the improvements to said grounds not to exceed one hundred and fifty-three thousand dollars, seventy-five thousand dollars.

Total public works under Bureau of Ordnance, three hundred and sixty-nine thousand seven hundred and eighty dollars.

#### PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

Naval Observatory.

NAVAL OBSERVATORY: Grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars.

#### PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

Improvements, naval hospitals, Pensacola.

Naval hospital, Pensacola, Florida: For the renewal of the present hospital buildings, fifteen thousand dollars, and for the erection of quarters for the medical staff outside the naval hospital, ten thousand dollars; in all, twenty-five thousand dollars.

Puget Sound.

Naval hospital, Puget Sound, Washington: For the construction of naval hospital buildings, seventy-five thousand dollars, (total cost not to exceed one hundred and fifty thousand dollars).

Washington.

Naval Hospital, Washington, District of Columbia: For the erection of an addition, symmetrical with the northeast pavilion, solarium, and connecting corridor, to the naval hospital, Washington, District of Columbia, sixty thousand dollars.

Canacao.

Naval medical supply depot, Canacao, Philippine Islands: For the erection of a building for the United

States naval medical supply depot on the grounds of the naval hospital, Canacao, twenty-five thousand dollars.

Total public works under Bureau of Medicine and Surgery, one hundred and eighty-five thousand dollars.

PUBLIC WORKS, MARINE CORPS.

Barracks and quarters, Marine Corps: For construction of officers' quarters, navy-yard, League Island, Pennsylvania, to cost not to exceed thirty thousand dollars, thirty thousand dollars; Improvements, marine barracks, League Island.

For the purchase of ground adjoining the quartermasters' depot, Philadelphia, Pennsylvania, and erection thereon of an addition to said depot, at a cost of ground and building not to exceed two hundred thousand dollars, two hundred thousand dollars; Quartermaster's depot, Philadelphia.

To complete marine barracks and officers' quarters, walls and improvement to grounds, Washington, District of Columbia, eighty thousand dollars; Marine barracks, Washington.

For roads, walks, grading, and so forth, Marine Corps reservation, navy-yard, Norfolk, Virginia, five thousand dollars; Norfolk.

For construction of two officers' quarters, navy-yard, Pensacola, Florida, ten thousand dollars; Pensacola.

For construction of marine barracks, naval station, Guantanamo, Cuba, ten thousand dollars; Guantanamo.

For construction of an addition to the marine barracks, navy-yard, Bremerton, Washington, twelve thousand dollars; Bremerton, Puget Sound.

In all, public works, Marine Corps, three hundred and forty-seven thousand dollars.

BUREAU OF MEDICINE AND SURGERY.

\* \* \* \* \*

For the equipment of a hospital for laborers at the naval station, Guantanamo, including ward, kitchen, dispensary, and operating-room supplies, to be immediately available, nine hundred dollars. Hospital, equipment of, at Guantanamo.

BUREAU OF SUPPLIES AND ACCOUNTS.

PROVISIONS, NAVY: \* \* \* *Provided*, That section fifteen hundred and eighty-one of the Revised Statutes, as amended by act of June twenty-ninth, nineteen hundred and six, be, and it is hereby, further amended by adding thereto a paragraph as follows:

"Any article comprised in the Navy ration may be issued in excess of the authorized quantity, provided there be an under issue of the same value in some other article or articles: *And provided, further*, That the unexpended balances under appropriations 'Provisions, Navy,' for the fiscal years ending June thirtieth, nineteen hundred Navy ration, over and under issues.



and five and nineteen hundred and six, are hereby reappropriated for 'Provisions, Navy,' for the fiscal year ending June thirtieth, nineteen hundred and eight.

Purchases  
less than \$500  
in value.

CONTINGENT, BUREAU OF SUPPLIES AND ACCOUNTS: \* \* \*. It is "*Provided*, That the sum of ten thousand dollars from the unexpended balance under appropriation 'Contingent, Bureau of Supplies and Accounts,' for the fiscal year ending June thirtieth, nineteen hundred and six, is hereby reappropriated for 'Contingent, Bureau of Supplies and Accounts,' for the fiscal year ending June thirtieth, nineteen hundred and eight: *Provided further*, That hereafter the purchase of supplies and the procurement of services for all branches of the naval service may be made in open market in the manner common among business men, without formal contract or bond, when the aggregate of the amount required does not exceed five hundred dollars, and when, in the opinion of the proper administrative officers, such limitation of amount is not designed to evade purchase under formal contract or bond, and equally or more advantageous terms can thereby be secured."

\* \* \* \* \*

#### BUREAU OF CONSTRUCTION AND REPAIR.

Limitations  
on repairs of  
ships.

CONSTRUCTION AND REPAIR OF VESSELS: \* \* \*. It is "*Provided* \* \* \* That no \* \* \* sum shall be applied to the repair of any other ship when the estimated cost of such repairs, to be appraised by a competent board of naval officers, shall exceed twenty per centum of the estimated cost, appraised in like manner, of a new ship of the same size and like material: *Provided*, That nothing herein contained shall deprive the Secretary of the Navy of the authority to order repairs of ships damaged in foreign waters or on the high seas, so far as may be necessary to bring them home: *And provided further*, That the Secretary of the Navy shall hereafter report to Congress, at the commencement of each regular session, the number of vessels and their names upon which any repairs or changes are proposed which in any case shall amount to more than two hundred thousand dollars, the extent of such proposed repairs or changes, and the amounts estimated to be needed for the same in each vessel; and expenditures for such repairs or changes so limited shall be made only after appropriations in detail are provided for by Congress."

Statutory  
limit.

#### IMPROVEMENT OF CONSTRUCTION PLANT: \* \* \*

Construction  
plant, navy  
yard, Charles-  
ton.

For construction plant, navy-yard, Charleston, South Carolina: "Repairs to, and improvement of, plant at naval station, Charleston, South Carolina, twenty thousand dollars."

BUREAU OF STEAM ENGINEERING.

*	*	*	*	*
Machinery plant, navy-yard, New York, New York:	Machinery			
For additional machine tools for copper, boiler, machine	plants, navy			
and pattern shops, and foundry, forty thousand dollars.	yards.			
Machinery plant, League Island, Pennsylvania: For	New York.			
additional machine tools for machine and boiler shops,	League Is-			
twenty-five thousand dollars.	land.			
Machinery plant, naval station, Cavite, Philippine Is-	Cavite.			
lands: For additional machine tools, twenty-five thou-				
sand dollars.				
Machinery plant, naval station, Olongapo, Philippine	Olongapo.			
Islands: For machine tools required for equipment of				
shops for repair works, twenty thousand dollars.				
*	*			

MARINE CORPS.

PAY, MARINE CORPS: \* \* \*.

It is "Provided, That hereafter privates regularly de-	Marines,
tailed and serving as cooks, shall receive, in addition to	cooks, addi-
the pay otherwise allowed by law, the following: First-	tional compen-
class cooks, ten dollars per month; second-class cooks,	sation for.
eight dollars; third-class cooks, seven dollars; and	
fourth-class cooks, five dollars."	
*	*

INCREASE OF THE NAVY.

That, for the purpose of further increasing the naval	One battle-
establishment of the United States, the President is	ship.
hereby authorized to have constructed, by contract or in	
navy-yards, as hereinafter provided, one first class battle	
ship to cost, exclusive of armor and armament, not ex-	
ceeding six million dollars, similar in all essential char-	
acteristics, and additional to, the battle ship authorized	
by the act making appropriations for the naval service	
for the fiscal year ending June thirtieth, nineteen hun-	
dred and seven, plans and specifications for which last-	
named vessel have already been prepared and submitted	
by the Secretary of the Navy for the information of	
Congress, as required by the provisions of the aforesaid	
act.	
Two torpedo boat destroyers, to have the highest prac-	Two torpedo-
ticable speed, and to cost, exclusive of armament, not to	boat destroy-
exceed eight hundred thousand dollars each: <i>Provided,</i>	ers.
That the cost of the three torpedo boat destroyers pro-	
vided for in the act making appropriations for the naval	
service for the fiscal year ending June thirtieth, nineteen	
hundred and seven, exclusive of armament, shall not	
exceed eight hundred thousand dollars each.	

Contract,  
award of.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same; the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and of the vessels provided for in this act and the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seven, and for other purposes, not more than one battle ship and one torpedo boat destroyer, or two torpedo boat destroyers, shall be built by one contracting party: *Provided*, That the Secretary of the Navy may build any or all of the vessels herein authorized in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

Submarines.

That the provision in the Naval Appropriation Act approved June twenty-ninth, nineteen hundred and six, authorizing the Secretary of the Navy to contract for subsurface or submarine boats after certain tests to be completed by March twenty-ninth, nineteen hundred and seven, is hereby amended, in accordance with the recommendation of the Secretary of the Navy, so as to extend the test period until May twenty-ninth, nineteen hundred and seven; and the limit of cost provided for in the authorization aforesaid is hereby increased to three million dollars, and the sum of one million dollars, which includes the half million dollars heretofore appropriated, is hereby appropriated, and to remain available until expended, no part of this appropriation to be expended for any boat that does not in such test prove to be equal in the judgment of the Secretary of the Navy to the best



boat now owned by the United States or under contract therefor, and no penalties under this limitation shall be imposed by reason of any delay in the delivery of said boat due to the submission or participation in the comparative trials aforesaid.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore authorized, twelve million seven hundred and thirteen thousand nine hundred and fifteen dollars. Construction and machinery.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for vessels authorized, ten million dollars. Armor and armament.

INCREASE OF THE NAVY, EQUIPMENT: Toward the completion of the equipment outfit of the new vessels authorized, five hundred thousand dollars. Equipment.

Total increase of the Navy, twenty-three million seven hundred and thirteen thousand nine hundred and fifteen dollars.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority be given for such expenditure.

Approved, March 2, 1907.

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SIXTIETH CONGRESS, FIRST SESSION—MAY 13, 1908.

[PUBLIC—No. 115.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and nine, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

Is added: "Hereafter all commissioned officers of the active list of the Navy shall receive the same pay and allowances according to rank and length of service, and the annual pay of each grade shall be as follows: For Admiral, thirteen thousand five hundred dollars; rear-admiral, first nine, eight thousand dollars; rear-admiral, second nine, or commodore, six thousand dollars; captain, four thousand dollars; commander, three thousand five hundred dollars; lieutenant-commander, three thousand dollars; lieutenant, two thousand four hundred dollars; lieutenant, junior grade, two thousand dollars; ensign, one thousand seven hundred dollars. There shall be allowed and paid to each commissioned officer below the rank of rear-admiral ten per centum of his current yearly pay for each term of five years service in the Army, Navy, and Marine Corps. The total amount of such increase for length of service shall in no case exceed forty per centum on the yearly pay of the grade as provided by law: *Provided*, That the annual pay of captain shall not exceed five thousand dollars per annum; of commander, four thousand five hundred dollars per annum; and of lieutenant-commander, four thousand dollars per annum. All officers on sea duty and all officers on shore duty beyond the continental limits of the United States shall while so serving receive ten per centum additional<sup>a</sup> of their salaries and increase as above provided, and such increase shall commence from the date of reporting for duty on board ship or the date of sailing from the United States for shore duty beyond the seas or to join a ship in foreign waters. The pay of midshipmen shall hereafter be six hundred dollars per annum while at the Naval Academy, and one thousand four hundred dollars per annum after graduation from the Naval Academy.

Rates of pay,  
officers of the  
Navy, active  
list.

<sup>a</sup> "In computing the pay of retired officers of the navy, the 10 per cent additional pay allowed for sea duty or for shore duty beyond the continental limits of the United States shall not be included, and the pay of commodore shall be the same in all respects as that of rear-admiral, second nine."—Deficiency act, May 30, 1908.



Retired list,  
rate of pay.

Six months'  
pay to benefi-  
ciaries of de-  
ceased officers  
and enlisted  
men.

The pay of all warrant officers and mates is hereby increased twenty-five per centum, and all paymasters' clerks shall, while on duty, receive the same pay and allowances as warrant officers of like length of service in the Navy. The pay of all active and retired enlisted men of the Navy is hereby increased ten per centum: *Provided further*, That the pay and allowances of chiefs of bureaus in the Navy Department shall be the highest pay of the grade to which they belong, and not below that of rear-admiral of the lower nine, and that the pay and allowances of chaplains in the Navy shall in no case exceed that provided for lieutenant-commanders. Aids to rear-admirals embraced in the nine lower numbers of that grade shall each receive one hundred and fifty dollars additional per annum, and aids to all other rear-admirals, two hundred dollars additional per annum each. When an officer of the Navy has been thirty years in the service, he may, upon his own application, in the discretion of the President, be retired from active service and placed upon the retired list with three-fourths of the highest pay of his grade: *And provided further*, That any officer of the Navy who is now serving or shall hereafter serve as chief of a bureau in the Navy Department, and shall subsequently be retired, shall be retired with the rank, pay, and allowances authorized by law for the retirement of such bureau chief. The pay of all commissioned, warrant, and appointed officers and enlisted men of the Navy now on the retired list shall be based on the pay, as herein provided for, of commissioned, warrant, and appointed officers and enlisted men of corresponding rank and service on the active list; and all pay herein provided shall remain in force until changed by act of Congress. Nothing herein shall be construed so as to reduce the pay or allowances now authorized by law for any commissioned, warrant, or appointed officer or any enlisted man of the active or retired lists of the Navy, and all laws inconsistent with this provision are hereby repealed.

That hereafter immediately upon official notification of the death from wounds or disease contracted in line of duty of any officer or enlisted man on the active list of the Navy and Marine Corps the Paymaster-General of the Navy shall cause to be paid to the widow of such officer or enlisted man, or any person previously designated by him, an amount equal to six months' pay at the rate received by such officer or enlisted man at the date of his death, less seventy-five dollars in the case of an officer and thirty-five dollars in the case of an enlisted man, to defray expenses of interment, and the residue, if any, of the amount reserved shall be paid subsequently to the designated person. The Secretary of the Navy shall establish regulations requiring each officer and enlisted man to designate the proper person to whom this amount

shall be paid in case of death, and said amount shall be paid to that person from funds appropriated for the pay of the Navy and Marine Corps.

PAY, MISCELLANEOUS.

The Secretary of the Navy shall send to Congress at the beginning of its next regular session a complete schedule or list showing the amount in money of all pay under the provisions of this act and for all allowances for each grade of officers in the Navy, including retired officers, and for all officers included in this act and for all enlisted men so included.

The estimates for the support of the Navy shall hereafter show, under the head of Pay of the Navy, the sums allowed for pay of officers belonging to the line, to the several departments of the staff, and to the retired list; the estimates to show under each head the amount allowed for pay proper, for increases due to longevity and foreign service, and for pay at sea rates to officers employed on shore; together with the total number of warrant and petty officers and seamen of the several grades and designations, including as to each class the amount allowed for pay proper and for longevity or service increases. The estimates shall include a list giving the rates of pay for all petty officers and other enlisted men of the Navy.

Estimates of pay, officers and enlisted men, how made.

\* \* \* \* \*  
For \* \* \* all charges pertaining to the Navy Department and its bureaus for ice for the cooling of drinking water on shore (except at naval hospitals), telephone rentals and tolls, telegrams, cablegrams, and postage, foreign and domestic, post-office box rentals; and other necessary and incidental expenses, \* \* \*.

Miscellaneous items.

BUREAU OF NAVIGATION.

\* \* \* \* \*  
For badges and ribbons to be distributed by the Secretary of the Navy to officers and men of the Navy and Marine Corps who have participated in engagements and campaigns deemed worthy of such commemoration, three thousand five hundred dollars.

Badges, etc.

That the use of irons, single or double, as a form of punishment in the Navy of the United States is hereby abolished, except for the purposes of safe custody or when part of the sentence imposed by a general court-martial.

Irons, abolished.

BUREAU OF ORDNANCE.

\* \* \* \* \*  
Ammunition and other supplies for ships, two million seven hundred and fifty thousand dollars: *Provided,*

Munitions, issue of.

Shell, stand-  
ards for.

That the Secretary of the Navy is hereby authorized to utilize all ammunition and other supplies already on hand under the appropriations "Increase of the Navy; Armor and Armament," "Reserve Ammunition," and "Reserve Powder and Shell," for general issue to ships in commission, as though purchased from this appropriation: *Provided*, That no part of this appropriation shall be expended for the purchase of shells or projectiles except for shells or projectiles purchased in accordance with the terms and conditions of proposals submitted by the Secretary of the Navy to all of the manufacturers of shells and projectiles and upon bids received in accordance with the terms and requirements of such proposals. All shells and projectiles shall conform to the standards prescribed by the Secretary of the Navy.

\* \* \* \* \*

Machine  
tools for navy  
yard and mag-  
azine.

Machine tools, navy-yard, New York, and magazine, Dover, New Jersey, ten thousand dollars.

Dover.  
Mare Island. Machine tools, navy-yard, Mare Island, California, fifty thousand dollars.

One five-ton auxiliary hoist, building numbered one hundred and eleven, navy-yard, Mare Island, California, three thousand five hundred dollars.

\* \* \* \* \*

New bat-  
teries.

NEW BATTERIES FOR SHIPS OF THE NAVY: For completing the work of modifying four-inch forty-caliber mounts, and providing new sights; and for modifying five-inch forty-caliber mounts, and providing new sights for same, sixty thousand dollars.

For replacing three-pounder and six-pounder guns, mounts, and sights on board battle ships and armored cruisers by three-inch fifty-caliber, or larger, guns, mounts, and sights, four hundred and fifteen thousand dollars.

For replacing eight-inch Mark V guns (forty-caliber) with eight-inch Mark VI guns (forty-five caliber) on United States ship "Maryland" and class (twenty guns), two hundred and fifty thousand dollars.

To reline and convert twelve-inch Mark III guns to mark IV guns, three hundred and fifty thousand dollars.

For replacing Mark IX Modern two-firing locks with Mark X firing locks on five-inch and six-inch guns, forty-five thousand dollars.

For fire-control instruments for ships, three hundred thousand dollars.

Torpedoes.  
Converting tor-  
pedo boats.

TORPEDOES, AND CONVERTING TORPEDO BOATS: For converting twenty torpedo boats from boats using three and fifty-five one-hundredths meter, to boats using five-meter torpedoes, and for the purchase and manufacture of torpedoes, six hundred and fifty thousand dollars.

\* \* \* \* \*



BUREAU OF EQUIPMENT.

*	*	*	*	*	
EQUIPMENT MACHINERY PLANTS: For the purchase and installation of the necessary machinery and tools in the following equipment buildings which have been appropriated for and are nearing completion:					Machinery and tools, equipment shops—
Equipment building at Charleston, fifty thousand dollars;					Charleston.
Equipment building at New Orleans, twenty-five thousand dollars;					New Orleans.
Equipment building at Pensacola, twenty-five thousand dollars.					Pensacola.

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Sewer system, extension, six thousand five hundred dollars; to complete blasting in front of quay wall, sixty thousand dollars; storehouse for combustibles, thirty thousand one hundred dollars; railroad extension, ten thousand dollars; heating system, extension, twenty thousand dollars; electric plant, extension, twenty thousand dollars; steam main central power plant to steam engineering plant, nine thousand dollars; naval prison, extension, sixty-five thousand dollars; quay walls, extension, twenty-five thousand dollars; in all, two hundred and forty-five thousand six hundred dollars.					Portsmouth.
NAVY-YARD, BOSTON, MASSACHUSETTS: Railroad rolling stock, three thousand dollars; telephone system, extensions, two thousand dollars; repairs to pier numbered one, five thousand dollars; power plant, extensions, one hundred and fifty thousand dollars; railroad system, extensions, seven thousand dollars; underground conduit system, extension, thirty thousand eight hundred dollars; in all, navy-yard, Boston, one hundred and ninety-seven thousand eight hundred dollars.					Boston.
NAVY-YARD, NEW YORK, NEW YORK: Electric plant, extensions, forty thousand dollars; underground conduits, extension, twenty-five thousand dollars; central power plant, one hundred and fifteen thousand dollars; railroad equipment, additional, five thousand dollars; sewers and drains, fifteen thousand dollars; railroad system, extensions, fifteen thousand dollars; repairs to roofs of buildings, twenty thousand dollars; telephone system, extensions, twelve thousand dollars; reconstructing roof, power house numbered forty-one, thirty-three thousand dollars; extending chemical laboratory, six thousand dollars; in all, navy-yard, New York, New York, two hundred and eighty-six thousand dollars: <i>Provided</i> , That the Secretary of the Navy is hereby authorized to expend toward the general improvement of the water front at					New York.

the navy-yard, New York, New York, the unexpended balance of the appropriation made by the act approved June seventh, nineteen hundred, making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and one, and for other purposes, for the construction of a bascule bridge at said navy-yard: *Provided further*, That the limit of cost of dry dock numbered four at the navy-yard, New York, New York, is hereby fixed at one million five hundred thousand dollars, and the Secretary of the Navy is authorized, in his discretion, to construct said dry dock by contract or day labor, or both, as he may deem to be for the best interests of the Government.

Philadelphia. NAVY-YARD, PHILADELPHIA, PENNSYLVANIA: Shelves and wall cases, and so forth, for building numbered four, Supplies and Accounts storehouse, twelve thousand dollars; extension to railroad system, ten thousand dollars; extension of electric conduit system, eight thousand dollars; central power plant, extension, one hundred and fifty thousand dollars; equipment for railroad, five thousand dollars; raising and repairing mess hall at camp, five thousand dollars; in all, navy-yard, Philadelphia, one hundred and ninety thousand dollars.

Washington. NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Quay wall, to complete, twenty-five thousand dollars; storage bins for perishable material, six thousand dollars; machinery for power-plant extension, twelve thousand dollars; electric-light plant extension, five thousand dollars; in all, forty-eight thousand dollars.

Norfolk. NAVY-YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, fifteen thousand dollars; telephone system, extensions, seven thousand dollars; electric plant, extensions, fifty thousand dollars; repairs, buildings, Saint Helena, twenty-five thousand dollars; central power plant, to complete, two hundred thousand dollars; dredging, to continue, fifty thousand dollars; railroad rolling stock, ten thousand dollars; extension of wharf at dry dock numbered three, fifty thousand dollars; heating system, extensions, ten thousand dollars; compressed-air system, extensions, ten thousand dollars; dry kiln for construction and repair, seven thousand five hundred dollars; renew roof of foundry, building numbered twenty-two, steam engineering, eight thousand dollars; new roof and crane for building numbered twenty-three, steam engineering, sixty thousand dollars; elevator in buildings numbered eleven, thirteen, fourteen, seventeen, and thirty-three, twenty thousand dollars; naval supply storehouse (to cost four hundred and fifty thousand dollars) fifty thousand dollars; improvements to building numbered sixteen, complete, twenty-five thousand dollars; heating building numbered thirty-seven, steam engineering, seven thousand five hundred dollars; improvements to water front, one hundred thousand dollars; in

all, navy-yard, Norfolk, Virginia, seven hundred and five thousand dollars.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Sewer system, extension, five thousand dollars; heating system, extensions, ten thousand dollars; completing power plant, seventy thousand dollars; slips for torpedo boats, fifty thousand dollars; elevator and interior fittings, building numbered seven, seventeen thousand dollars; paving and grading (to continue), ten thousand dollars; clearing yard, five thousand dollars; in all, navy-yard, Charleston, South Carolina, one hundred and sixty-seven thousand dollars.

Charleston.

NAVY-YARD, PENSACOLA, FLORIDA: Machinery for central power plant, fifteen thousand dollars; water system, ten thousand dollars; railroad track and equipment, ten thousand dollars; tools for yards and docks, one thousand eight hundred dollars; in all, navy-yard, Pensacola, thirty-six thousand eight hundred dollars.

Pensacola.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Drainage system, to continue, five thousand dollars; central heating plant, extension, ten thousand dollars; underground conduit system, five thousand dollars; improvements to machine shop, building numbered four, six thousand dollars; sewer system, extensions, five thousand dollars; improvements to River Front, twenty-five thousand dollars; in all, navy-yard, New Orleans, fifty-six thousand dollars.

New Orleans

NAVY-YARD, MARE ISLAND, CALIFORNIA: Railroad system, extension, ten thousand dollars; telephone system, extensions, two thousand dollars; central power plant at Mare Island Navy-Yard, California, one hundred thousand dollars; grading and paving, extension, fifteen thousand dollars; quay wall, extension, fifty thousand dollars; new elevators in buildings numbered sixty-nine and seventy-one, four thousand dollars; dredging, ten thousand dollars; improvement of channel in Mare Island Strait, to continue, twenty thousand dollars; in all, navy-yard, Mare Island, two hundred and eleven thousand dollars.

Mare Island.

NAVY-YARD, PUGET SOUND, WASHINGTON: Electric-light plant, extensions, five thousand dollars; water system, extensions, twelve thousand dollars; heating system, extensions, six thousand dollars; stone and concrete dry dock, to continue (to cost two million dollars), one hundred thousand dollars; sewer system, extensions, three thousand dollars; telephone system, extensions, three thousand dollars; railroad and equipment, extensions, ten thousand dollars; central power plant, extensions, two hundred and eighty thousand dollars; hardwood lumber shed, twenty thousand dollars; water-closet for ships in dock, twelve thousand dollars; oil house, thirty thousand dollars; dry kiln, six thousand dollars; underground conduit system, fifteen thousand dollars; electric

Puget Sound.



elevator and fittings, building numbered fifty-nine, eight thousand dollars; foundry for all departments (to cost one hundred and seventy-five thousand dollars), fifty thousand dollars; in all, navy-yard, Puget Sound, Washington, five hundred and sixty thousand dollars.

Olongapo.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: Toward the improvement and development of the Naval Station, Olongapo, Philippine Islands, one hundred thousand dollars. The Secretary of the Navy is hereby authorized to expend, without limitation as to quantities and unit prices, the various amounts appropriated by the act approved April twenty-seventh, nineteen hundred and four, entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and five, and for other purposes," for the naval station, Olongapo, Philippine Islands, for the respective improvements therein named.

Guam.

NAVAL STATION, ISLAND OF GUAM: Dredging, three thousand dollars; extension of naval-station roads, ten thousand dollars; water-supply system, ten thousand dollars; fire-protection system, seven thousand five hundred dollars; extension of telephone system, one thousand five hundred dollars; in all, thirty-two thousand dollars.

NAVAL STATION, HONOLULU, HAWAII: Repairs to wharves, six thousand dollars.

Pearl Harbor.

NAVAL STATION, PEARL HARBOR, HAWAII: The Secretary of the Navy is hereby authorized and directed to establish a naval station at Pearl Harbor, Hawaii, on the site heretofore acquired for that purpose; and to erect thereat all the necessary machine shops, storehouses, coal sheds, and other necessary buildings, and to build thereat one graving dry dock capable of receiving the largest war vessels of the Navy, at a cost not to exceed two million dollars for said dry dock. The sums hereinafter stated are hereby appropriated and made immediately available, to be expended at the discretion of the Secretary of the Navy, to wit: Toward dredging an entrance channel of a depth of thirty-five feet, four hundred thousand dollars; toward construction of dry docks, three hundred thousand dollars; toward erecting machine shops (to cost three hundred thousand dollars), one hundred thousand dollars; storehouses (to cost three hundred thousand dollars), one hundred thousand dollars; toward yard development, one hundred thousand dollars; in all, one million dollars. That the Secretary of the Navy may, in his discretion, enter into contracts for any portion of the work, including material therefor, within the respective limits of cost herein stipulated, subject to appropriations to be made therefor by Congress, or may direct the construction of said works or any portion thereof under the supervision of a civil engineer of the Navy.

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Extension of boat-storage shed, six thousand dollars; improvements to central wharf, five thousand dollars; receiving and shipping shed, five thousand five hundred dollars; improvements to buildings one, two, three, four H, six thousand dollars; improvements to building numbered twenty-nine, four thousand five hundred dollars; improvements to building numbered nine, three thousand five hundred dollars; lumber shed in building numbered eighty-four, one thousand seven hundred dollars; improvements to building numbered twenty-three, six thousand five hundred dollars; improvements to number one ways, sixteen thousand dollars; improvements to building numbered eighty-three, three thousand dollars; railroad system, extension, two thousand dollars; in all, fifty-nine thousand seven hundred dollars.

Cavite.

NAVAL STATION, CULEBRA, PORTO RICO: Clearing and cleaning station, one thousand five hundred dollars; cold-storage plant, four thousand dollars; improvements, water system, one thousand six hundred dollars; sewer system, two thousand dollars; fire-protection system, two thousand dollars; in all, eleven thousand one hundred dollars.

Culebra.

NAVAL STATION, TUTUILA: Dispensary and sick quarters, fifteen thousand dollars.

Tutuila.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: Navy Department: Plans and estimates required by section thirty-six hundred and sixty-three, Revised Statutes, and plans and specifications for public works, thirty thousand dollars.

Plans and specifications.

\* \* \* \* \*

FLOATING DERRICKS: One one-hundred ton floating derrick (to cost two hundred and fifty thousand dollars), one hundred thousand dollars.

Floating derricks.

The Secretary of the Navy is hereby authorized to transfer from the navy-yard, Boston, Massachusetts, to and erect at the navy-yard, Portsmouth, New Hampshire, the one-hundred ton shears improved and repaired under the acts approved July first, nineteen hundred and two, and March third, nineteen hundred and three, and the unexpended balances of the appropriations made by said acts for the improvement of said shears are hereby reappropriated, and the further sum of two thousand four hundred dollars is hereby appropriated for this purpose.

One-hundred-ton shears, Boston to Portsmouth.

Total public works, navy-yards and stations, four million six hundred and fifty-nine thousand four hundred dollars.

The Secretary of the Navy shall report to Congress, at the commencement of the next regular session, the amount of money expended on consolidation of power plants since the authorization for such consolidation was given,

Consolidation of power plants, report of expenditures.

in nineteen hundred and four, such statement to be in detail for each navy-yard and to indicate amount expended for building and machinery separately; also to include a statement of the value of building and power plants at each navy-yard at the date of the above noted authorization; also the total amounts appropriated for power houses and power-plant extensions which had not been utilized on April twenty-seventh, nineteen hundred and four, the date of the authorization of the consolidations.

#### PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

Naval Academy.

**BUILDINGS AND GROUNDS, NAVAL ACADEMY:** For enlarging the water plant of the Naval Academy, enlarging the reservoir, installing additional pumps, filters, piping, and strainers; and for all other materials and labor for this purpose, forty thousand dollars.

For the erection of three fireproof buildings, to be used as magazines and filling house, and including necessary grading, walks, and landing stage, seven thousand dollars.

Lepers, Guam.

**BUILDINGS FOR LEPERS, ISLAND OF GUAM:** Naval station, island of Guam: Maintenance and care of lepers and other special patients, fifteen thousand dollars; in all, fifteen thousand dollars.

Total public works under Secretary's office, sixty-two thousand dollars.

#### PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Improve-  
ments, naval  
training sta-  
tions, Califor-  
nia.

**NAVAL TRAINING STATION, CALIFORNIA, BUILDING:** Extension of wharf to which Pensacola is moored, twelve thousand dollars; pipe line and tank for dispensary, four thousand dollars; repairs to long wharf, nine thousand dollars; increase of electric plant, two thousand five hundred dollars; roads, grounds, and planting of trees, two thousand dollars; in all, twenty-nine thousand five hundred dollars.

Rhode Is-  
land.

**NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS:** Improving and grading grounds and roads, two thousand dollars; dredging channel and basin, three thousand dollars; steam-distributing lines, eight thousand two hundred and fifty dollars; increase of heating and lighting plant, fifteen thousand dollars; electric distributing and lighting system, to increase, eight thousand three hundred and forty dollars; receiving and disinfecting building, thirty thousand dollars; additional detention building, twenty thousand dollars; repairs to barracks "B," nine thousand eight hundred dollars; walks at detention barracks, two thousand dollars; water-closet buildings for workmen, one thousand five hundred dollars; new



wharf to Reina Mercedes, fifteen thousand dollars; for bakery, including scales, refrigerating plant, and necessary equipment to make the same suitable for use in connection with the training of bakers and cooks, twenty-five thousand dollars; in all, naval training station, Rhode Island, one hundred and thirty-nine thousand eight hundred and ninety dollars.

NAVAL TRAINING STATION, GREAT LAKES, BUILDINGS: To complete buildings in accordance with the provisions of the act of Congress approved June twenty-ninth, nineteen hundred and six, seven hundred and fifty thousand dollars.

Great Lakes.

To complete electrical mains and conduits, heating mains and concrete conduits, heating station equipment, power plant equipment, water supply and sewage disposal, one hundred and ninety-three thousand one hundred dollars.

Furniture, commandant's quarters, three thousand five hundred dollars.

Furniture, six officers' quarters, nine thousand dollars.

For architect's fee of three and one-half per centum of estimated cost of buildings authorized by act of Congress, approved June twenty-ninth, nineteen hundred and six, seventy thousand dollars.

For cost of inspection of public works, twenty-five thousand dollars.

For pile revetment and grading at site of sewage-disposal plant, thirty-five thousand dollars.

Construction of trestle to power house, ten thousand dollars.

In all, one million and ninety-five thousand six hundred dollars:

In all, public works, Bureau of Navigation, one million two hundred and sixty-four thousand nine hundred and ninety dollars.

#### PUBLIC WORKS, BUREAU OF ORDNANCE.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Providing and laying conduits for chronograph, bell, telephone and power lines, three thousand seven hundred and forty dollars; raising roof of powder-factory storehouse, and so forth, three thousand four hundred and forty dollars; concrete retaining wall, two thousand five hundred dollars; extending machine shop, two thousand and eighty dollars; tide bridge for loading barges, three thousand dollars; in all, naval proving ground, Indian Head, fourteen thousand seven hundred and sixty dollars.

Improvements, naval magazines.  
Indian Head.

Naval magazine, Fort Mifflin, Pennsylvania: Three filling houses, five thousand one hundred dollars; installation of watchman's clock system, two thousand dollars; to complete one building for marine guard, seven thou-

Fort Mifflin.

sand five hundred dollars; in all, fourteen thousand six hundred dollars.

Mare Island. Naval magazine, Mare Island, California: One compressed air locomotive, three thousand five hundred dollars; one hoisting crane on wharf, two thousand dollars; new floors in buildings numbered A one, two, three, and four, six thousand dollars; in all, eleven thousand five hundred dollars.

Iona Island. Naval magazine, New York Harbor: For naval magazine, New York Harbor (Iona Island): Marine barracks, ten thousand dollars; in all, ten thousand dollars.

Puget Sound. For naval magazine, navy-yard, Puget Sound, Washington: One fuze house, two thousand two hundred dollars; one observation magazine, three thousand seven hundred and fifty dollars; one magazine, seven thousand dollars; one watchman's house, four thousand five hundred dollars; one stable, one thousand five hundred dollars; railroad system, fifteen thousand four hundred dollars.

In all, thirty-four thousand three hundred and fifty dollars.

Newport. Torpedo station, Newport, Rhode Island: Steel track, six hundred and fifty dollars; new water main across harbor, three thousand five hundred dollars; additional machinery for torpedo factory, fifty thousand dollars; in all, fifty-four thousand one hundred and fifty dollars.

Pensacola. NAVY-YARD, PENSACOLA, FLORIDA: For navy-yard, Pensacola, Florida: Construction of water tank tower, five thousand dollars.

Olongapo. NAVAL MAGAZINE, OLONGAPO, PHILIPPINE ISLANDS: For naval station, Olongapo, Philippine Islands: One chemical laboratory for testing smokeless powder, two thousand dollars; one set of quarters for inspector of ordnance and powder, six thousand dollars.

Total public works under Bureau of Ordnance, one hundred and fifty-two thousand three hundred and sixty dollars.

#### PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

Naval Observatory. NAVAL OBSERVATORY: Grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars.

#### PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

Improvements, naval hospitals. Naval hospital, Annapolis, Maryland: For the erection of new wards, eighty-five thousand dollars.

Naval hospital, Norfolk, Virginia: For the renovation of the present hospital buildings and for the erection of new wards, to cost not to exceed two hundred thousand dollars, as authorized by the act of Congress approved

June twenty-ninth, nineteen hundred and six, one hundred thousand dollars.

Naval hospital, Great Lakes: For the erection of naval hospital buildings, to cost not to exceed two hundred and fifty thousand dollars, one hundred thousand dollars.

Great Lakes.

Naval hospital, Puget Sound, Washington: For the completion of naval hospital buildings, seventy-five thousand dollars, (total cost not to exceed one hundred and fifty thousand dollars,) as authorized by the naval act of March second, nineteen hundred and seven.

Puget Sound.

Total public works under Bureau of Medicine and Surgery, three hundred and sixty thousand dollars.

PUBLIC WORKS, MARINE CORPS.

For the completion of the storehouse, marine barracks, Boston, Massachusetts, twenty thousand dollars.

Improvements, marine barracks and quarters.

For the completion of the storehouse, marine barracks, navy-yard, New York, New York, thirty thousand dollars.

Boston.  
New York.

Barracks and quarters, Marine Corps: to complete three officers' quarters, marine barracks, navy-yard, Philadelphia, Pennsylvania, fifteen thousand dollars.

Philadelphia.

To complete the quartermaster's depot, Philadelphia, Pennsylvania, the purchase of ground adjoining such building, and addition to depot, seventy thousand dollars.

Quartermaster's depot.

For the completion of officers' quarters, marine barracks, navy-yard, Norfolk, Virginia, five thousand dollars.

Norfolk.

Naval station, Charleston, South Carolina: For the completion of officers' quarters, twenty-five thousand dollars; and for marine barracks, fifty thousand dollars; in all, seventy-five thousand dollars.

Charleston.

To complete officers' quarters, marine barracks, navy-yard, Pensacola, Florida, five thousand dollars.

Pensacola.

For installing electric lights and heating system, marine barracks, Sitka, Alaska, five thousand dollars.

Sitka.

For the completion of officers' quarters, naval station, Olongapo, Philippine Islands, ten thousand dollars; and for the construction and completion of amusement room and gymnasium for enlisted men, ten thousand dollars.

Olongapo.

For the necessary repairs and improvements to such buildings at the naval station, New London, Connecticut, as have been assigned to the Marine Corps by the Navy Department, ten thousand dollars, which sum shall be in addition to the twenty-five thousand dollars appropriated for this object in the naval appropriation act, approved June twenty-ninth, nineteen hundred and six.

New London.

In all, public works, Marine Corps, two hundred and fifty-five thousand dollars.



## BUREAU OF MEDICINE AND SURGERY.

Nurse corps,  
establishment  
of.

\* \* \* \*

The nurse corps (female) of the United States Navy is hereby established, and shall consist of one superintendent, to be appointed by the Secretary of the Navy, who shall be a graduate of a hospital training school having a course of instruction of not less than two years, whose term of office may be terminated at his discretion, and of as many chief nurses, nurses, and reserve nurses as may be needed: *Provided*, That all nurses in the nurse corps shall be appointed or removed by the Surgeon-General, with the approval of the Secretary of the Navy, and that they shall be graduates of hospital training schools having a course of instruction not less than two years. The appointment of superintendent, chief nurses, nurses, and reserve nurses shall be subject to an examination as to their professional, moral, mental, and physical fitness, and that they shall be eligible for duty at naval hospitals and on board of hospital and ambulance ships and for such special duty as may be deemed necessary by the Surgeon-General of the Navy. Reserve nurses may be assigned to active duty when the necessities of the service demand, and when on such duty shall receive the pay and allowances of nurses: *Provided*, That they shall receive no compensation except when on active duty. The superintendent, chief nurses, and nurses shall respectively receive the same pay, allowances, emoluments, and privileges as are now or may hereafter be provided by or in pursuance of law for the nurse corps (female) of the Army.

Hospital  
Corps, pay of.

The pay of enlisted men of the Hospital Corps shall be the same as that provided for the corresponding ratings of the seaman branch and other staff corps of the Navy.

\* \* \* \*

## BUREAU OF CONSTRUCTION AND REPAIR.

## CONSTRUCTION AND REPAIR OF VESSELS: \* \* \*.

Repairs to  
vessels speci-  
fied.

Provides, "The Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessels herein named in an amount not to exceed the sum specified for each vessel, respectively, as follows: The Brooklyn, four hundred and fifty-three thousand five hundred dollars; the San Francisco, six hundred thousand two hundred and fifty dollars; the Baltimore, six hundred and fifty-three thousand three hundred dollars; the Alabama, six hundred and sixty-seven thousand five hundred dollars; the Illinois, six hundred and sixty-seven thousand five hundred dollars; the Iowa, five hundred and fifty-seven thousand five hundred dollars; the Kearsarge, six hundred and seventy-three thousand five hun-

dred dollars; the Kentucky, six hundred and seventy-three thousand five hundred dollars; the Maine, two hundred thousand dollars; the Adder, forty-six thousand five hundred dollars; the Bennington, one hundred and ninety-five thousand seven hundred and fifty dollars; the Grampus, fifty-seven thousand five hundred dollars; the Moccasin, forty-six thousand five hundred dollars; the Pike, fifty-seven thousand five hundred dollars; the Paul Jones, seventy-seven thousand dollars; the Nicholson, fifty-five thousand dollars; the O'Brien, fifty-five thousand dollars; the Narkeeta, nineteen thousand dollars; the Holland, thirty-two thousand dollars and eighty-eight cents; in all, five million seven hundred and eighty-eight thousand three hundred dollars and eighty-eight cents, as per the report of the Secretary of the Navy, House Document Numbered Six hundred and fifty-six, Sixtieth Congress, and letters of the Secretary of the Navy of April twentieth, nineteen hundred and eight, concerning general repairs to the Maine."

\* \* \* \* \*

BUREAU OF STEAM ENGINEERING.

STEAM MACHINERY: \* \* \*

It is "Provided, \* \* \* to complete the machinery of the seagoing tugs Patapsco and Patuxent, now building at the navy-yards at Portsmouth, New Hampshire, and Norfolk, Virginia.

Patapsco.  
Patuxent.

\* \* \* \* \*

Machinery plant, navy-yard, Portsmouth, New Hampshire: To outfit new shops, authorized and completed or nearly completed, especially the new boiler and pattern shops, with new power tools, and with the necessary fixtures and motors, and to replace obsolete and worn-out machine tools, thirty thousand dollars; in all, thirty thousand dollars.

Machinery  
plants at navy  
yards.  
Portsmouth.

Machinery plant, navy-yard, Boston, Massachusetts: For additional machine tools for boiler shop extension and the coppersmith shop, twenty-five thousand dollars.

Boston.

\* \* \* \* \*

Machinery plant, naval station, New Orleans, Louisiana: To continue purchase and installation of new machine tools to equip shops for repair of naval vessels, ten thousand dollars.

New Orleans.

Machinery plant, navy-yard, Mare Island, California: For additional new machine tools required in new and repair work of naval vessels, twenty-five thousand dollars.

Mare Island.

Machinery plant, navy-yard, Puget Sound, Washington: For additional new machine tools required in repair work of naval vessels, twenty-five thousand dollars.

Puget Sound.

\* \* \* \* \*

## NAVAL ACADEMY.

Midshipmen's  
store fund  
closed.

\* \* \* \* \*

Provides, "The Secretary of the Treasury is hereby authorized and directed to close and balance as expended the sum of twenty-four thousand five hundred dollars now standing on the books of the Treasury under the appropriation 'Pay of the Navy,' which was advanced by direction of the Secretary of the Navy in eighteen hundred and sixty-seven and eighteen hundred and sixty-eight, and has heretofore been used as a midshipmen's store fund at the Naval Academy: *Provided*, That hereafter the storekeeper at the Naval Academy, authorized by section fifteen hundred and twenty-seven of the Revised Statutes, shall render quarterly returns of property to the Chief of the Bureau of Supplies and Accounts, under such regulations as the Secretary of the Navy may prescribe. A full report shall be made annually of receipts and expenditures by the Chief of the Bureau of Supplies and Accounts to the Secretary of the Navy: *And provided further*, That an inspection of the storekeeper's accounts shall be made quarterly by the general inspector of the Pay Corps, with such recommendation as he may deem necessary, to the Chief of the Bureau of Supplies and Accounts."

Inspection of  
accounts.

Naval bands.

Navy bands or members thereof, other than the United States Naval Academy band at Annapolis, Maryland, shall not receive remuneration for furnishing music outside the limits of military posts, when the furnishing of such music places them in competition with local civilian musicians.

\* \* \* \* \*

## MARINE CORPS.

PAY, MARINE CORPS: \* \* \*.

Additional  
officers and  
men, pay of.

It is "*Provided*, That so much \* \* \* as is needed to pay the additional officers of the Marine Corps provided for in this act shall be immediately available."

\* \* \* \* \*

Pay of enlisted men, active list: \* \* \*.

It is "*Provided*, That so much \* \* \* as is needed to pay the additional enlisted men of the Marine Corps provided for in this act shall be immediately available."

\* \* \* \* \*

Marine  
Corps, increase  
of officers and  
enlisted men.

That from and after the passage of this act, and in order to further increase the efficiency of the United States Marine Corps, the following additional officers, noncommissioned officers, drummers, trumpeters, and privates to those now provided by law for said corps are hereby authorized and directed, namely: One major-general commandant, in lieu of the present brigadier-general commandant; one colonel; one lieutenant-colonel;



two majors; eighteen captains; seven first lieutenants; fourteen second lieutenants; one assistant adjutant and inspector, with the rank of lieutenant-colonel; one assistant quartermaster, with the rank of lieutenant-colonel; one assistant quartermaster, with the rank of major; and three assistant quartermasters, with the rank of captain; one assistant paymaster, with the rank of major; one assistant paymaster, with the rank of captain; two sergeant-majors; fifteen quartermaster-sergeants, five of whom are to serve in the pay department; twenty first sergeants; fifty sergeants; one hundred and twenty-five corporals; ten drummers; ten trumpeters; and five hundred and eighteen privates: *Provided*, That hereafter the number of enlisted men in the United States Marine Corps shall be such as the Congress may from time to time authorize.

That the vacancies now existing in the line and staff departments of the United States Marine Corps and those created by this act shall be filled in the manner provided by law.

To meet the increase in pay of the Marine Corps provided in the act making appropriation for the support of the Army for the fiscal year ending June thirtieth, nineteen hundred and nine, and in section sixteen hundred and twelve of the Revised Statutes of the United States, for officers on the active list, officers on the retired list, enlisted men on the active list, and enlisted men on the retired list, eight hundred and two thousand seven hundred and fifty dollars and fifty-five cents is hereby appropriated: *Provided*, That so much of the foregoing appropriation as is needed to pay the increase for the remainder of the fiscal year ending June thirtieth, nineteen hundred and eight, shall be immediately available.

\* \* \* \* \*

#### INCREASE OF THE NAVY.

That, for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed, two first-class battle ships to cost, exclusive of armor and armament, not exceeding six million dollars each, similar in all essential characteristics to the battle ship authorized by the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eight. At least one of such battle ships shall be built and constructed under the direction of the Secretary of the Navy at one of the navy-yards; the other of said battle ships may also be constructed at one of the navy-yards in the discretion of the Secretary of the Navy, or by contract as hereinafter provided.

Ten torpedo-boat destroyers, to have the highest practicable speed, and to cost, exclusive of armament, not to

Ten torpedo-boat destroyers.

Two colliers. exceed eight hundred thousand dollars each, to be built by contract, not more than three by any one contractor. Two fleet colliers, of fourteen knots trial speed, when carrying not less than twelve thousand five hundred tons of cargo and bunker coal. One of said colliers to be built in such government yard on the Pacific coast as the Secretary of the Navy shall direct. Cost not to exceed one million eight hundred thousand dollars each, and toward the construction of both, one million five hundred thousand dollars is hereby appropriated.

Three colliers, purchase of.

The Secretary of the Navy, in his discretion, is hereby authorized to purchase three new steam colliers of American registry, having a cargo carrying capacity of approximately seven thousand two hundred tons dead weight each, at a cost not exceeding five hundred and twenty-five thousand dollars each; and the sum of one million five hundred and seventy-five thousand dollars is hereby appropriated, out of any money in the Treasury not otherwise appropriated, for the purchase of the colliers above authorized.

Contract, award of.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same; the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy.

Eight submarines.

For eight submarine torpedo boats, in an amount not exceeding in the aggregate three million five hundred thousand dollars, and the sum of three million dollars is hereby appropriated toward said purpose and for the completion of submarine boats heretofore authorized.

Construction and machinery.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore authorized, nine million eight hundred and thirty-two thousand nine hundred and sixty-two dollars.

Armor and armament.

ARMOR AND ARMAMENT: Toward the armor and armament of domestic manufacture for vessels authorized, seven million dollars.

Toward the construction and machinery and armor and armament of the vessels herein authorized, seven

million dollars: *Provided*, That no part of this appropriation shall be expended for armor for vessels except upon contracts for such armor when awarded by the Secretary of the Navy to the lowest responsible bidders, having in view the best results and most expeditious delivery.

INCREASE OF THE NAVY, EQUIPMENT: Toward the completion of the equipment outfit of the new vessels authorized, four hundred thousand dollars.

Equipment.

Total increase of the Navy, thirty million three hundred and seven thousand nine hundred and sixty-two dollars.

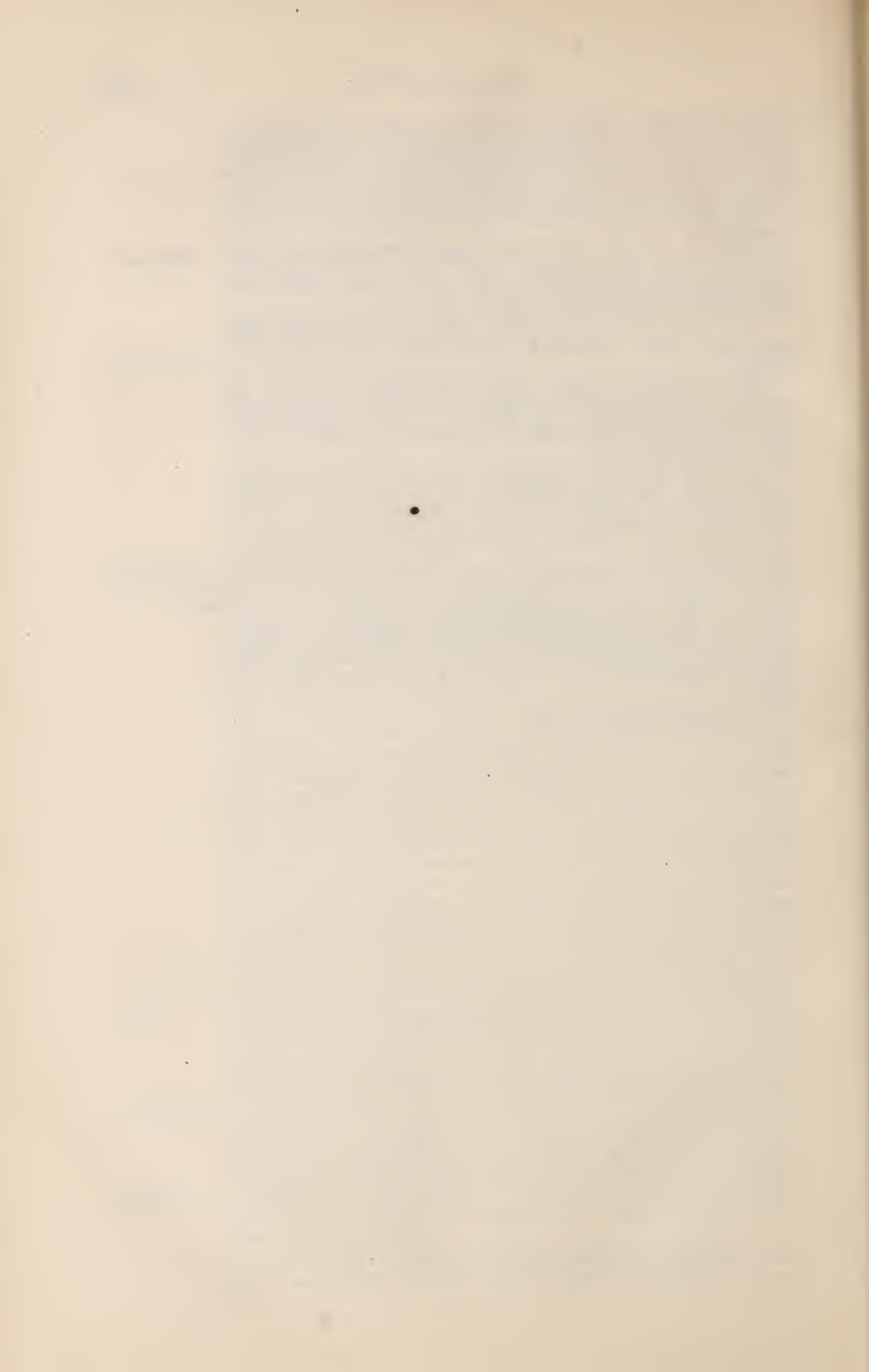
That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority is given by law for such expenditure.

So much of the act entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, and for other purposes," approved May fourth, eighteen hundred and ninety-eight, as provides that monitors owned by the United States shall be named for the States, and shall not be named for any city, place, or person until the names of the States shall have been exhausted, is hereby repealed, and monitors now owned by the United States or hereafter built may be named as the President may direct.

Monitors  
named for  
States.

Approved, May 13, 1908.





SIXTIETH CONGRESS, SECOND SESSION—MARCH 3, 1909.

[PUBLIC—No. 308.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and ten, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

Provides for "Pay of the Nurse Corps; rent of quarters for members of the Nurse Corps; prizes to be awarded to the engineer divisions of the ships in commission for general efficiency and for economy in coal consumption under such rules as the Secretary of the Navy may formulate, \* \* \*."

Miscellaneous items.

The provisions of the act approved June twenty-ninth, nineteen hundred and six, entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seven, and for other purposes," providing for the retirement in the next higher grade of officers of the navy who served during the civil war, shall not operate to deprive any officer of the navy who has been, or may be, retired, since the passage of that act, of the right to increased rank and pay to which, but for the passage of said act, he would have been entitled.

Retirement.

The accounting officers of the Treasury are hereby authorized and directed to allow, in the settlement of accounts of disbursing officers involved, payments made to officers of the navy while on temporary leaves of absence since March third, eighteen hundred and ninety-nine, not involving detachment from duty, and not in excess of leaves of absence allowed by law to officers of the army without reduction in pay.

PAY, MISCELLANEOUS.

\* \* \* \* \*

For "all advertising for the Navy Department and its bureaus (except advertising for recruits for the Bureau of Navigation); \* \* \* *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for clerical, inspection, and messenger service in navy-yards, naval stations, and purchasing pay offices for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed two

Civil establishment and classified service.

Rates of pay  
to be fixed by  
Secretary.

Leave.

Schedule of  
rates of com-  
pensation to be  
submitted to  
Congress.

hundred and forty-nine thousand and fifty-four dollars and twenty-five cents: *Provided further*, That hereafter the rates of pay of the clerical, drafting, inspection, and messenger force at navy-yards and naval stations and other stations and offices under the Navy Department shall be paid from lump appropriations and shall be fixed by the Secretary of the Navy on a per annum or per diem basis as he may elect; that the number may be increased or decreased at his option and shall be distributed at the various navy-yards and naval stations by the Secretary of the Navy to meet the needs of the naval service, and that such per diem employees may hereafter, in the discretion of the Secretary of the Navy, be granted leave of absence not to exceed fifteen days in any one year, which leave may, in exceptional and meritorious cases, where such an employee is ill, be extended, in the discretion of the Secretary of the Navy, not to exceed fifteen days additional in any one year; that the total amount expended annually for pay for such clerical, drafting, inspection, and messenger force shall not exceed the amounts specifically allowed by Congress under the several lump appropriations, and that the Secretary of the Navy shall each year, in the annual estimates, report to Congress the number of persons so employed, their duties, and the amount paid to each: *Provided further*, That it shall be the duty of the Secretary of the Navy to submit to Congress at its next session, and for its consideration, a schedule of rates of compensation, annual or per diem, that should, in his judgment, be permanently fixed by law for clerical, inspection, and messenger service in navy-yards, naval stations, and purchasing pay offices, superintending construction offices, and inspection of engineering material; and in fixing such rates of compensation he shall have due regard for the rates usually paid for like services in the respective localities by employers other than the United States, and he shall not recommend any rate exceeding that being paid by the United States at any such yards, stations, or offices prior to January first, nineteen hundred and nine: *Provided further*, That persons employed in the clerical, drafting, and inspection force at navy-yards and stations discharged for lack of work or insufficiency of funds shall for one year thereafter be preferred for employment in such navy-yards and stations in the clerical, drafting, inspection, and messenger forces; that section fifteen hundred and forty-five, Revised Statutes, and so much of section fifteen hundred and fifty-six of the Revised Statutes as relates to pay of clerks to commandants of navy-yards and naval stations, are hereby repealed; \* \* \*.



BUREAU OF NAVIGATION.

\* \* \* \* \*

It is "*Provided*, That the Secretary of the Navy is hereafter authorized to transport to their homes or places of enlistment, as he may designate, all discharged naval prisoners; the expense of such transportation shall be paid out of any money that may be to the credit of prisoners when discharged; where there is no such money, the expense shall be paid out of money received from fines and forfeitures imposed by naval courts-martial: *Provided further*, That the Secretary of the Navy is hereby authorized to furnish naval prisoners upon discharge suitable civilian clothing in case, and only where, said discharged prisoners would otherwise be unprovided with suitable clothing to meet their immediate needs."

Discharged  
naval prisoners,  
transportation of.

\* \* \* \* \*

NAVAL TRAINING STATION, RHODE ISLAND: \* \* \* *Provided*, \* \* \* The \* \* \* clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed five thousand seven hundred and one dollars and sixty cents.

Classified  
service at  
naval training  
stations.

NAVAL TRAINING STATION, GREAT LAKES: \* \* \* *Provided*, That the \* \* \* clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed forty-eight thousand one hundred and thirty-nine dollars and thirty-six cents; \* \* \*.

Great Lakes.

NAVAL WAR COLLEGE, RHODE ISLAND: \* \* \* *Provided*, That the \* \* \* clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed six thousand three hundred and seventy-five dollars and seventy-six cents; \* \* \*.

War College.

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: \* \* \*.

Provides "for pay of chemists, clerical, drafting, inspection, and messenger service in navy-yards, naval stations, and naval magazines: '*Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for chemists, clerical, drafting, inspection, watchmen, and messenger service in navy-yards, naval stations, and naval magazines for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed three hundred and ninety-eight thousand eight hundred and ninety dollars and twenty-eight cents.' \* \* \*." *Provided*, That no part of this appropriation shall be expended for powder other than small-arms powder at a price in excess of sixty-four cents

Classified  
force, pay of.

Powder, limit  
of cost of.

a pound. All shells and projectiles shall conform to the standard prescribed by the Secretary of the Navy: *Provided*, That no part of any appropriation made in this act for the purchase of powder shall be paid to any trust or combination in restraint of trade nor to any corporation having a monopoly of the manufacture and supply of gunpowder in the United States, except in the event of extraordinary emergency.

Improve-  
ments to ma-  
chinery.

\* \* \* *Provided*, That no part of this appropriation shall be expended for powder other than small-arms powder at a price in excess of sixty-four cents a pound.

Philadelphia.

Machine tools, navy-yard, Philadelphia, Pennsylvania, nineteen thousand three hundred and ninety dollars.

Boston.

Machine tools, navy-yard, Boston, Massachusetts, nineteen thousand three hundred dollars.

Puget Sound.

Electric traveling crane for gun shed, navy-yard, Puget Sound, Washington, six thousand dollars.

Mare Island.

Air compressor with storage tank and pipe line, naval magazine, Mare Island, California, six thousand dollars.

Washington.

FOR NAVAL GUN FACTORY, WASHINGTON, DISTRICT OF COLUMBIA: New and improved machinery for existing shops, one hundred and fifty thousand dollars.

Remodeling one hundred and ten ton crane in north gun shop, thirty thousand dollars.

New eighty-ton crane over shrinkage pit, north gun shop, twenty-five thousand dollars.

New bat-  
teries.

NEW BATTERIES FOR SHIPS OF THE NAVY: For completing the work of modifying four-inch forty-caliber mounts, and five-inch forty-caliber mounts, and providing new sights for same, seventy-five thousand dollars.

For replacing eight-inch Mark V guns with eight-inch Mark VI guns on United States ship "Maryland" and class, two hundred and fifty-two thousand dollars.

For continuing the relining and conversion of twelve-inch Mark III guns to Mark IV guns, one hundred and fifty thousand dollars.

For new sights for five-inch, six-inch, and seven-inch guns and modifying their mounts, two hundred and forty-five thousand dollars.

For fire-control instruments for ships of the navy, one hundred and fifty thousand dollars.

Ammunition for ships. \* \* \*

Powder,  
limit of cost  
of.

*Provided*, That no part of this appropriation shall be expended for powder other than small-arms powder at a price in excess of sixty-four cents a pound. \* \* \*.

Reserve  
guns, purchase  
of.

RESERVE GUNS FOR SHIPS OF THE NAVY: For the purchase and manufacture of reserve guns for ships of the navy, two hundred and fifty thousand dollars.

Modernizing  
turrets.

MODERNIZING TURRETS: For new and improved gun elevating control for turret guns having electric elevating motors, two hundred and sixty thousand dollars.

Hand purchases for eight-inch turrets, twenty-eight thousand dollars.

TORPEDOES AND APPLIANCES: \* \* \* *Provided*, That no part of this amount shall be expended for the purchase of torpedoes or appliances or rights pertaining thereto, where the rights to such torpedoes or appliances are the subject of legal controversy now pending.

Torpedoes and appliances.

\* \* \* \* \*

New machinery and tools for torpedo factory, one hundred thousand dollars.

Torpedo station, Newport, R. I.

For experimental work in the development of armor-piercing projectiles, fuses, powders and high explosives, in connection with problems of the attack of armor with direct and inclined fire at various ranges, including the purchase of armor, powder, projectiles, and fuses for the above purposes, and of all necessary material and labor in connection therewith; and for other experimental work under the cognizance of the Bureau of Ordnance in connection with the development of ordnance material for the navy, one hundred thousand dollars.

Experimental work.

\* \* \* \* \*

#### BUREAU OF EQUIPMENT.

EQUIPMENT OF VESSELS: \* \* \* *Provided*, That the sum to be paid \* \* \* for clerical, drafting, inspection, and messenger service at the several navy-yards, naval stations, and coaling stations for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed two hundred and twenty-six thousand one hundred and ninety-three dollars and sixty cents.

Classified force, pay of.

\* \* \* \* \*

#### BUREAU OF YARDS AND DOCKS.

MAINTENANCE OF YARDS AND DOCKS: \* \* \* *Provided*, That the sum to be paid \* \* \* for clerical, inspection, drafting, messenger, and other classified work in the navy-yards and naval stations for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed four hundred and twenty-five thousand dollars.

Classified force, pay of.

\* \* \* \* \*

#### PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Rebuilding and fireproofing building numbered twenty, forty-three thousand five hundred dollars; electric capstan for quay wall, three thousand dollars; foundry building (to cost two hundred and fifty thousand dollars), fifty thousand dollars; in all, ninety-six thousand five hundred dollars.

Portsmouth.

NAVY-YARD, BOSTON, MASSACHUSETTS: Power plant, to complete, one hundred and forty-five thousand dollars; dredging, two thousand five hundred dollars; sewer sys-

Boston.



tem, extensions, two thousand five hundred dollars; improvements to water front, fifty thousand dollars; rope-walk fire protection, ten thousand dollars; in all, navy-yard, Boston, two hundred and ten thousand dollars.

New York.

NAVY-YARD, NEW YORK, NEW YORK: Central power plant, to complete, one hundred and sixteen thousand dollars; granite and concrete dry dock, to continue, two hundred thousand dollars; toward improvement of water front facilities, seventy-six thousand three hundred and thirty dollars; in all, navy-yard, New York, New York, three hundred and ninety-two thousand three hundred and thirty dollars.

Philadelphia.

NAVY-YARD, PHILADELPHIA, PENNSYLVANIA: Central power plant, to complete, one hundred and seventy-two thousand six hundred dollars; dredging, cost not to exceed four hundred and thirty thousand dollars, two hundred and fifteen thousand dollars; crane track, extensions, thirty thousand dollars; paving around piers, fifty thousand dollars; in all, navy-yard, Philadelphia, four hundred and sixty-seven thousand six hundred dollars.

Washington.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Improvements to storehouse for guns and mounts, seven thousand dollars; concrete roof for foundry buildings, fifteen thousand dollars; improvements to building one hundred and eighteen, three thousand dollars; improvements to building forty-one, twenty thousand dollars; fireproof storehouse for fuses, acids, and oils, fifteen thousand dollars; in all, sixty thousand dollars.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, ten thousand dollars; electric plant, extensions, twenty thousand dollars; repairs, buildings, Saint Helena, twenty-five thousand dollars; dredging, to continue, fifty thousand dollars; compressed-air system, extensions, ten thousand dollars; improvements to water front, one hundred thousand dollars; locomotive crane, fifty thousand dollars; crane track, twenty thousand dollars; paving and grading, additional, fifteen thousand dollars; in all, navy-yard, Norfolk, Virginia, three hundred thousand dollars.

Charleston.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Paving and grading (to continue), twenty thousand dollars; underground conduit system, extension, five thousand dollars; intercepting drain, thirty thousand five hundred dollars; pneumatic system, extension, five thousand dollars; dredging, to continue, twenty-five thousand dollars; increasing and improving torpedo-boat slips, fifty thousand dollars; in all, navy-yard, Charleston, South Carolina, one hundred and thirty-five thousand five hundred dollars.

Pensacola.

NAVY-YARD, PENSACOLA, FLORIDA: Remodeling building numbered twenty-nine, fifteen thousand dollars; to repair rifle range and wharf, five thousand dollars; in all, navy-yard, Pensacola, twenty thousand dollars.

NAVAL STATION, KEY WEST, FLORIDA: Latrines, five thousand dollars; concrete cistern, twenty-five thousand dollars; to complete marine railway, fifteen thousand dollars; in all, forty-five thousand dollars.

Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Central power plant at Mare Island Navy-Yard, California, to complete, two hundred and fifty-five thousand dollars; new elevators in buildings numbered sixty-nine and seventy-one, five thousand dollars; sewer system, extension, ten thousand dollars; repairs to building numbered one hundred and sixteen, three thousand five hundred dollars; crane track, extension, seventy-five thousand dollars; to continue improvement of channel, one hundred thousand dollars; ordnance storehouse, one hundred thousand dollars; improvements to building numbered sixty-nine, four thousand dollars; railroad system, extension, twenty thousand dollars; in all, navy-yard, Mare Island, five hundred and seventy-two thousand five hundred dollars.

Mare Island.

NAVY-YARD, PUGET SOUND, WASHINGTON: Stone and concrete dry dock, to continue (to cost two million dollars), four hundred thousand dollars; sewer system, extensions, eight thousand dollars; railroad and equipment, extensions, ten thousand dollars; general storehouse (to cost two hundred and sixty thousand dollars), one hundred thousand dollars; pier numbered eight, seventy-five thousand dollars; pattern shop, forty thousand dollars; two officers' quarters, eighteen thousand dollars; warrant officers' quarters, four thousand dollars; in all, navy-yard, Puget Sound, Washington, six hundred and fifty-five thousand dollars.

Puget Sound.

NAVAL STATION, ISLAND OF GUAM: Dredging, three thousand dollars; extension of naval-station roads, eleven thousand dollars; water-supply system, thirty thousand dollars; in all, forty-four thousand dollars.

Guam.

NAVAL STATION, PEARL HARBOR, HAWAII: Toward dredging an entrance channel of a depth of thirty-five feet, six hundred thousand dollars; toward construction of dry dock, to cost two million dollars, two hundred thousand dollars; toward yard development, one hundred thousand dollars; in all, nine hundred thousand dollars.

Pearl Harbor.

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Improvements to building twenty-five, thirteen thousand five hundred dollars; improvements to building twenty-one, two thousand four hundred dollars; in all, fifteen thousand nine hundred dollars.

Cavite.

NAVAL STATION, TUTUILA: Two officers' quarters, three thousand five hundred dollars; preservation of grounds, two thousand dollars; in all, five thousand five hundred dollars.

Tutulla.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Levee improvements and grading, forty-five thousand dollars; in all, forty-five thousand dollars.

New Orleans.

Plans for  
public works.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: Navy Department: Plans and estimates required by section thirty-six hundred and sixty-three, Revised Statutes, and plans and specifications for public works, thirty thousand dollars: *Provided*, That the pay of the clerical and drafting service for plans and specifications for public works, Bureau of Yards and Docks, shall be paid from this appropriation.

\* \* \* \* \*

Floating der-  
ricks.

FLOATING DERRICKS: One one-hundred ton floating derrick, to complete, one hundred and fifty thousand dollars.

\* \* \* \* \*

#### PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

Naval Acad-  
emy.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: For the purchase of land for the extension of the present rifle range near Annapolis for the use of the midshipmen at the Naval Academy, seventy-five thousand dollars, or so much thereof as may be necessary.

Guam.

BUILDINGS FOR LEPERS, ISLAND OF GUAM: Naval station, island of Guam: Maintenance and care of lepers and other special patients, fourteen thousand dollars; in all, fourteen thousand dollars.

\* \* \* \* \*

#### PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Improve-  
ments, naval  
training sta-  
tion, Califor-  
nia.

NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: Roads, grounds, and planting of trees, two thousand dollars; oiling parade grounds and roads adjacent, two thousand and fifty dollars; shacks for the detention camp, four thousand three hundred and seventy dollars; salt water flushing system, two thousand eight hundred and twenty-five dollars and fifty-two cents; dredging the north side of island, seven thousand two hundred dollars; in all, eighteen thousand four hundred and forty-five dollars and fifty-two cents.

Rhode Is-  
land.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Improving and grading grounds and roads, one thousand nine hundred dollars; dredging channel and basin, two thousand eight hundred and sixteen dollars and seventy-two cents; increase of heating and lighting plant, to complete, fourteen thousand five hundred dollars; walks at detention barracks, two thousand dollars; water-closets, one thousand five hundred dollars; for bakery and cold-storage plant, to complete, twenty-three thousand five hundred dollars; repairs to Barracks "C," three thousand four hundred dollars; improvements in rifle galleries and ranges, one thousand five hundred and fifty dollars; paving and grading peninsula, four thousand five hundred dollars; enlarging boathouse, seven thousand four hundred and fifty dollars; improvements



to assembly, lecture, and reading room, thirteen thousand one hundred dollars; fire-alarm system, three thousand five hundred dollars; in all, naval training station, Rhode Island, seventy-nine thousand seven hundred and sixteen dollars and seventy-two cents.

NAVAL TRAINING STATION, GREAT LAKES, BUILDINGS: Roads, sidewalks, inner basin sea wall, entrance piers and dredging, arch bridge, wagon bridge to power house, walls and fences, garbage crematory, and grading, three hundred and fourteen thousand dollars; railroad scales, scale house, and spur, nine thousand two hundred dollars; electric fixtures, interior and exterior arcs, and incandescent lamps, thirty-three thousand five hundred dollars; cooking equipment, disinfecting equipment, and cold-storage installation, ten thousand dollars; fire apparatus, four thousand one hundred and fifty dollars; elevators and dumb waiter, six thousand four hundred and fifty dollars; storage balconies and trolleys in boat-house, eleven thousand five hundred dollars; tower clock, electric clocks, and wiring, one thousand six hundred dollars; furniture, filing apparatus, shelving, cupboards, fittings, lockers, and interior equipment for buildings, twenty-three thousand dollars.

In all, to complete naval training station, Great Lakes, four hundred and thirteen thousand four hundred dollars.

\* \* \* \* \*

PUBLIC WORKS, BUREAU OF ORDNANCE.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Blacksmith and pipe shop, three thousand six hundred and twenty-five dollars; lime and cement shed, four thousand five hundred dollars; new emplacement, twelve-inch gun, two new steel circles and vamping ten-inch emplacement, sixteen thousand dollars; railroad extensions, eight thousand dollars; in all, naval proving ground, Indian Head, thirty-two thousand one hundred and twenty-five dollars.

Improvements, naval magazines, etc.  
Indian Head.

Naval magazine, Fort Mifflin, Pennsylvania: Storehouse and offices, with railroad track through center of building and continuation of railroad trestle to connect therewith, thirty thousand dollars; powder magazine, with railroad track connections, fifteen thousand dollars; in all, forty-five thousand dollars.

Fort Mifflin.

Naval magazine, Mare Island, California: One office building, including permanent furnishings and fixtures, eight thousand dollars; two filling houses, two thousand dollars; extension of sewerage system through magazine grounds, one thousand five hundred dollars; in all, eleven thousand five hundred dollars.

Mare Island.

Naval magazine, New York Harbor: For naval magazine, New York Harbor (Iona Island): One ammunition

Iona Island.

house, twenty thousand dollars; extension of sewerage system, five thousand dollars; condenser in boiler room of power house, three thousand dollars; in all, twenty-eight thousand dollars.

**Puget Sound.** For naval magazine, navy-yard, Puget Sound, Washington: One gib crane on magazine wharf, one thousand dollars; telephone line from navy-yard to magazine, one thousand two hundred and fifty dollars; watchman's clock system at magazine, two thousand dollars.

In all, four thousand two hundred and fifty dollars.

**Newport.** Naval torpedo station, Newport, Rhode Island: New water main, two thousand three hundred dollars; converting one of powder factory buildings into brass foundry, five thousand three hundred dollars; repairing and extending wharves, eight thousand eight hundred dollars; new sewerage and drainage system, two thousand seven hundred dollars; coal shed and coal-handling apparatus, including elevated car tracks, elevator, fourteen thousand dollars; repairs to sea walls, six thousand four hundred dollars; in all, thirty-nine thousand five hundred dollars.

**Lake Denmark.** Naval magazine, Lake Denmark, New Jersey: One magazine, including necessary clearing, grading, railroad track, water mains, electric lights, hose houses, and watchmen's clocks, twelve thousand five hundred dollars. One high explosive house for storage of explosive "D," including necessary clearing, grading, railroad track, water mains, electric lights, hose houses, and watchmen's clocks, twelve thousand five hundred dollars. Extension of administration building to provide office for general storekeeper, for dispensary, and laboratory for testing powder, three thousand dollars.

In all, twenty-eight thousand dollars.

**New England coast.** NAVAL MAGAZINE, NEW ENGLAND COAST (HINGHAM, MASSACHUSETTS): Toward the erection of the necessary buildings on ground, the purchase of which is now under negotiation, as authorized by the act approved April twenty-seventh, nineteen hundred and four, for a new naval magazine on the New England coast; also toward inclosing said grounds, grading and filling in, building roads and walks, improvement of the water front, necessary wharves and cranes, railroad tracks and rolling stock for local service, fire and water service, and equipment of the establishment, one hundred thousand dollars.

In all, one hundred thousand dollars.

**St. Juliens Creek.** NAVAL MAGAZINE, SAINT JULIENS CREEK, VIRGINIA: Gravity blending house for smokeless powder, five thousand dollars; electrical apparatus for lighting magazine grounds, barracks, quarters, and offices; motor for running reforming plant; and a small lathe, eight thousand dollars.

In all, thirteen thousand dollars.

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PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

NAVAL OBSERVATORY: Grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars. Naval Observatory.

PUBLIC WORKS UNDER BUREAU OF SUPPLIES AND ACCOUNTS.

NAVAL TRAINING STATION, GREAT LAKES: BUILDING EQUIPMENT: To install cold-storage and refrigerating plant and all necessary equipment, twelve thousand dollars; to fit general storehouse with interior fittings, shelving, scales, and all office and other equipment, four thousand dollars; in all, sixteen thousand dollars. Great Lakes.

\*                      \*                      \*                      \*                      \*

PUBLIC WORKS, MARINE CORPS.

Barracks and quarters, Marine Corps:

To extend the marine barracks, by the erection of a wing thereto, at a cost not to exceed one hundred and fifty thousand dollars, navy-yard, Philadelphia, Pennsylvania, one hundred and fifty thousand dollars. Improvements, marine barracks.

To complete the quartermaster's depot, Philadelphia, Pennsylvania, and the purchase of ground adjoining such depot, twenty-five thousand dollars. Philadelphia.

Toward the completion of the marine garrison, naval station, Pearl Harbor, Territory of Hawaii, one marine barracks, one hundred and thirty-five thousand dollars; and to complete six officers' quarters, fifty thousand dollars; in all, one hundred and eighty-five thousand dollars. Pearl Harbor.

For the purchase of land adjoining the navy-yard, Charleston, South Carolina, as a reservation for the Marine Corps, six thousand five hundred dollars; in all, six thousand five hundred dollars. Charleston.

To complete the marine garrison, navy-yard, Bremerton, Washington, one marine barracks, one hundred and fifty thousand dollars, and for officers' quarters, sixty thousand dollars; in all, two hundred and ten thousand dollars. Bremerton.

\*                      \*                      \*                      \*                      \*

BUREAU OF SUPPLIES AND ACCOUNTS.

PROVISIONS, NAVY: \* \* \* for subsistence of female nurses and Navy and Marine Corps general courts-martial prisoners undergoing imprisonment with sentences of dishonorable discharge from the service at the expiration of such confinement: *Provided*, That the Secretary of the Navy is authorized to commute rations for such general courts-martial prisoners in such amounts as seem to him proper, which may vary in accordance with the location of the naval prison, but which shall in no case Subsistence for nurses and general courts-martial prisoners commuted.

Prisoners, rations for.



exceed thirty cents per diem for each ration so commuted; labor in general storehouses and paymasters' offices in navy-yards, including naval stations maintained in island possessions under the control of the United States, and expenses in handling stores purchased under the naval supply fund; and for the purchase of United States Army emergency rations, as required: \* \* \*

Classified  
force, pay of.

*Provided* \* \* \* That the sum to be paid \* \* \* for chemists and for clerical, inspection, and messenger service in the general storehouses and paymasters' offices of the navy-yards and naval stations for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed four hundred and forty-seven thousand five hundred and forty-four dollars and eighty-eight cents.

\* \* \* \* \*

#### BUREAU OF CONSTRUCTION AND REPAIR.

##### CONSTRUCTION AND REPAIR OF VESSELS: \* \* \*

Repairs to  
vessels speci-  
fied.

*Provides:* "The Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessels herein named, in an amount not to exceed the sum specified for each vessel, respectively, as follows: Maine (in addition to the two hundred thousand dollars authorized by the naval appropriation act approved May thirteenth, nineteen hundred and eight), five hundred and twenty thousand dollars; Missouri, five hundred and forty thousand dollars; Ohio, five hundred and forty thousand dollars; Wisconsin, three hundred and eighty thousand dollars; Chattanooga, two hundred and ten thousand dollars; Cleveland, two hundred and ten thousand dollars; Denver, two hundred and ten thousand dollars; Des Moines, two hundred and ten thousand dollars; Galveston, two hundred and ten thousand dollars; Tacoma, two hundred and ten thousand dollars; Concord, one hundred and fifty-two thousand dollars; Yorktown, one hundred and fifty-two thousand dollars; Elcano, thirty-five thousand dollars; Paragua, twenty thousand dollars; Quiros, thirty thousand five hundred dollars; Rodgers, forty-two thousand dollars; Rainbow, one hundred and forty thousand dollars; Supply, one hundred and thirty thousand dollars; Yankee, one hundred and ninety-five thousand dollars; Apache, twenty-one thousand five hundred dollars; Lincoln, six thousand dollars; in all, four million one hundred and sixty-four thousand dollars as per the letters of the Secretary of the Navy, House Documents Numbered Eleven hundred and fifty-two and Thirteen hundred and six, Sixtieth Congress, concerning repairs of certain naval vessels: *And provided further,* That hereafter it shall be the duty of the Secretary of the Navy to report to Congress at the beginning of each regular session thereof, in addition to the report directed to be made in the act of March sec-

Secretary to  
report amounts  
expended on  
ships.

ond, nineteen hundred and seven, making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eight, and for other purposes, a detailed statement showing the amount expended from each of the appropriations for the repair of every ship where such repairs exceed for any one ship the sum of two hundred thousand dollars in any one fiscal year: *Provided further*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy, for clerical, drafting, inspection, and messenger service in navy-yards, naval stations, and offices of superintending naval constructors for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed eight hundred and eight thousand and thirty-nine dollars."

Statutory  
limit.  
Classified  
force, pay of.

\* \* \* \* \*

BUREAU OF STEAM ENGINEERING.

STEAM MACHINERY: \* \* \*.

Provides for "the machinery of the colliers Vestal and Prometheus, now under construction at the navy-yards, New York and Mare Island, respectively."

Vestal and  
Prometheus.

\* \* \* \* \*

*Provided*, That the sum to be paid out of this appropriation "Steam machinery," under the direction of the Secretary of the Navy, for clerical, drafting, inspection, and messenger service in navy-yards, naval stations, and offices of United States inspectors of machinery, and of engineering material, for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed three hundred and fifty thousand and sixty-three dollars and two cents.

\* \* \* \* \*

Machinery plant, navy-yard, Portsmouth, New Hampshire: For additional heavy-power tools for new boiler and machine shops, thirty thousand dollars.

Machinery  
plants, navy  
yards.  
Portsmouth.

Machinery plant, navy-yard, Boston, Massachusetts; For additional tools for foundry, machine, and copper-smith shops, five thousand dollars.

Boston.

Machinery plant, navy-yard, New York, New York: For additional machine tools for copper, boiler, machine, and pattern shops, and foundry, twenty-five thousand dollars.

New York.

Machinery plant, Philadelphia, Pennsylvania: For additional machine tools for machine and boiler shops, twenty-five thousand dollars.

Philadelphia.

Machinery plant, navy-yard, Norfolk, Virginia: For additional machine tools to equip machine, boiler, and coppersmith shops, twenty-five thousand dollars.

Norfolk.

Machinery plant, navy-yard, Mare Island, California: For additional new machine tools for machine and boiler shops and foundry, fifteen thousand dollars.

Mare Island.

- Puget Sound. Machinery plant, navy-yard, Puget Sound, Washington: For additional new machine tools required in repair work of naval vessels, twenty-five thousand dollars.
- Cavite. Machinery plant, naval station, Cavite, Philippine Islands: For additional new machine tools, required to facilitate repairs to naval vessels on Asiatic Station, fifteen thousand dollars.
- Experimental work. Engineering experiment station, United States Naval Academy, Annapolis, Maryland—Experimental and research work: For original investigation and extended experimentation of naval appliances; and for the purchase of such machines and auxiliaries considered applicable for test and use in the naval service, seventeen thousand four hundred and eighty-eight dollars.
- Experiment station. Buildings, engineering experiment station, United States Naval Academy, Annapolis, Maryland: Repairs to wooden bulkhead about experiment station building, one thousand two hundred dollars; extension of wooden bulkhead to surround the ship basin, seven thousand three hundred and seventy dollars; in all, eight thousand five hundred and seventy dollars.
- Machinists, promotion of, to chief. The title of warrant machinist is hereby changed to machinist; and all machinists shall, after six years from date of warrant, be commissioned chief machinists, to rank with, but after, ensign, and shall, on promotion, have the same pay and allowances as are allowed chief boatswains, chief gunners, chief carpenters, and chief sailmakers, and no machinist shall be promoted until he shall have passed such examination before a board as the Secretary of the Navy may prescribe, and no warrant officer, heretofore or hereafter promoted six years from date of warrant, shall suffer a reduction in pay which, but for such promotion, would have been received by him: *Provided*, That chief boatswains, chief gunners, and chief machinists shall be eligible for appointment to the grade of ensign under the restrictions imposed by law upon the appointment of boatswains, gunners, and warrant machinists to that grade.
- Ensigns, appointment of from warrant officers.

## NAVAL ACADEMY.

\* \* \* \* \*

- Memorials. The crypt and window spaces of the United States Naval Academy chapel are to be used only for memorials to United States naval officers who have successfully commanded a fleet or squadron in battle, or who have received or may receive the thanks of the Congress of the United States for conspicuously distinguished services in time of war, and no memorial shall be accepted for or installed in said crypt or window spaces until at least five years after the death of the officer in question: *Provided*, That nothing in this provision shall be considered as invalidating any agreement made by the present or any



former superintendent of the Naval Academy, authorizing a memorial window in the old Naval Academy chapel to be transferred to the new Naval Academy chapel.

MARINE CORPS.

PAY, MARINE CORPS: \* \* \*: *Provided*, That no part of the appropriations herein made for the Marine Corps shall be expended for the purposes for which said appropriations are made unless officers and enlisted men shall serve as heretofore on board all battle ships and armored cruisers, and also upon such other vessels of the navy as the President may direct, in detachments of not less than eight per centum of the strength of the enlisted men of the navy on said vessels.

Marines to serve afloat.

\* \* \*. *Provided*, That hereafter the settlement of all traveling expense claims, where the payment of such is authorized by existing law, and the determination of distances and of what constitutes the shortest usually traveled route in the meaning of laws relating to traveling allowances, shall accord to such rules as the Secretary of the Navy may prescribe.

Mileage. Traveling expenses.

CONTINGENT, MARINE CORPS: \* \* \* For \* \* \*, packing and crating officers' allowance of baggage on change of station; \* \* \*: *Provided*, That hereafter extra-duty pay will not be allowed to enlisted men of the Marine Corps except when they are regularly detailed thereon by a written order of the commandant of the corps.

Extra - duty pay.

INCREASE OF THE NAVY.

For the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed two first-class battle ships to cost, exclusive of armor and armament, not exceeding six million dollars each, similar in all essential characteristics to the battle ship authorized by the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eight.

Two battle-ships.

Five torpedo-boat destroyers, to have the highest practicable speed, and to cost, exclusive of armament, not to exceed eight hundred thousand dollars each.

Five torpedo-boat destroyers.

One fleet collier, of fourteen knots trial speed, when carrying not less than twelve thousand five hundred tons of cargo and bunker coal, to cost not exceeding nine hundred thousand dollars.

One collier.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best

Contract, award of.

results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same; the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy, provided contracts for furnishing the same in a reasonable time, at a reasonable price, and of the required quality can be made with responsible parties, and of the two first-class battle ships provided for in this act, not more than one shall be built by one contracting party.

Four subma-  
rines.

For four submarine torpedo boats, in an amount not exceeding in the aggregate two million dollars, and the sum of three million dollars is hereby appropriated toward said purpose and for the completion of submarine boats heretofore authorized: *Provided*, That the Secretary of the Navy may build any or all of the vessels authorized in this act in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement, or understanding, the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

O n e d e -  
stroyer.

The Secretary of the Navy is hereby authorized, in his discretion, to contract for or purchase one destroyer whose vitals are located below the normal load water line, such vessel to cost not to exceed four hundred thousand dollars and to have a speed not less than twenty-two knots; also two small vessels of similar construction having a speed of not less than sixteen knots and to cost not to exceed twenty-two thousand five hundred dollars each: *Provided*, That before any vessel provided for in this paragraph shall be purchased or contracted for a vessel of similar construction shall have been constructed complete and of full size for naval warfare and submitted to the Navy Department for such trial and tests as the Secretary of the Navy may, in his discretion, prescribe,

and as the result of such tests be demonstrated to have fulfilled all the reasonable requirements of naval warfare for such a vessel.

**CONSTRUCTION AND MACHINERY:** On account of hulls and outfits of vessels and steam machinery of vessels heretofore authorized, twenty-two million seven hundred and sixty-six thousand eight hundred and twenty-three dollars: *Provided*, That no part of the above appropriation shall be used for the payment of the construction of any collier the total cost of which shall exceed nine hundred thousand dollars. Construction and machinery

**ARMOR AND ARMAMENT:** Toward the armor and armament of domestic manufacture for vessels authorized, twelve million four hundred and fifty-two thousand seven hundred and seventy-two dollars: *Provided*, That no part of this appropriation shall be expended for armor for vessels except upon contracts for such armor when awarded by the Secretary of the Navy to the lowest responsible bidders, having in view the best results and most expeditious delivery: *Provided also*, That contracts for furnishing said armor in a reasonable time, at a reasonable price, and of the required quality can be made with responsible parties. Armor and armament.

**INCREASE OF THE NAVY, EQUIPMENT:** Toward the completion of the equipment outfit of the new vessels authorized, six hundred thousand dollars. Equipment.

Total increase of the navy, thirty-eight million eight hundred and nineteen thousand five hundred and ninety-five dollars.

*Provided*, That no part of any sum hereby appropriated under "Increase of the navy" shall be used for the payment of any clerical, drafting, inspection, and messenger service, or for pay of any of the other classified force, under the various bureaus of the Navy Department in Washington, District of Columbia. Classified service.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority is given by law for such expenditure, except that draftsmen and other technical employees heretofore paid from "Public works" and "Increase of the navy" and employed in the Navy Department at Washington may be continued in employment in the Navy Department at Washington and paid from appropriations "Maintenance," "Construction and repair," "Steam machinery," "Ordnance and ordnance stores," and "Equipment of vessels," respectively.

Approved, March 3, 1909.





SIXTY-FIRST CONGRESS, SECOND SESSION—JUNE 24, 1910.

[PUBLIC—No. 261.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eleven, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

\* \* \* \* \*

The provision of the act approved May thirteenth, nineteen hundred and eight, entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and nine," relating to the pay of paymasters' clerks, is hereby amended so as to read as follows:

"All paymasters' clerks shall, while holding appointment in accordance with law, receive the same pay and allowances and have the same rights of retirement as warrant officers of like length of service in the navy."

Paymasters' clerks, pay and retirement of.

The Secretary of the Navy is authorized, in his discretion, to allow members of the Nurse Corps (female) of the navy fifteen dollars per month in lieu of quarters when government quarters are not available, and that the accounting officers of the Treasury are hereby authorized and directed to allow in the accounts of disbursing officers of the navy all payments heretofore made by them in accordance with orders of the Secretary of the Navy for commutation of quarters to members of the Nurse Corps (female) of the navy at the rate herein specified.

Nurse corps, commutation of quarters for.

\* \* \* \* \*

CONTINGENT, NAVY: \* \* \* *Provided further*, That thirty thousand dollars, or so much thereof as may be necessary of this appropriation, shall be used for the hire of expert accountants for establishing accounting and cost of work offices at navy-yards and stations according to the plan and methods established at the Boston Navy-Yard: *Provided further*, That in fixing the cost of work under the various naval appropriations, the direct and indirect charges incident thereto shall be included in such cost: *And provided further*, That the Bureau of Supplies and Accounts shall keep the money accounts of the naval establishment in such manner as to show such charges and shall report the same annually for the information of Congress, and for no other purposes.

Accounting system, establishment of.

Cost of work, indirect expense incident to.

D a m a g e s  
from collisions,  
claims for.

The Secretary of the Navy is hereby authorized to consider, ascertain, adjust and determine the amounts due on all claims for damages, where the amount of the claim does not exceed the sum of five hundred dollars, hereafter occasioned by collision, for which collisions vessels of the navy shall be found to be responsible, and report the amounts so ascertained and determined to be due the claimants to Congress at each session thereof through the Treasury Department for payment as legal claims out of appropriations that may be made by Congress therefor.

Chiefs of bu-  
reaus, compen-  
sation of and  
retirement of.

The pay and allowances of chiefs of bureaus of the Navy Department shall be the highest shore-duty pay and allowances of the rear-admiral of the lower nine; and all officers of the navy who are now serving or shall hereafter serve as chief of bureau in the Navy Department and are eligible for retirement after thirty years' service, shall have, while on the active list, the rank, title, and emoluments of a chief of bureau, in the same manner as is already provided by statute law for such officers upon retirement by reason of age or length of service, and such officers, after thirty years' service, shall be entitled to and shall receive new commissions in accordance with the rank and title hereby conferred.

#### BUREAU OF NAVIGATION.

Enlistment,  
ages for.

Recruiting: \* \* \* except in cases where \* \* \* certificate is unobtainable, enlistment may be made when the recruiting officer is convinced that oath of applicant as to age is credible; but when it is afterwards found upon evidence satisfactory to the Navy Department that recruit has sworn falsely as to age, and is under eighteen years of age at the time of enlistment, he shall, upon request of either parent, be released from service in the navy, upon payment of full cost of first outfit, unless, in any given case, the Secretary, in his discretion, shall relieve said recruit of such payment.

Prizes, steam-  
ing exercises.

Steaming exercises: Prizes, trophies, and badges for excellence in steaming exercises to be awarded to the ships in commission for general efficiency and for economy in coal consumption, under such rules as the Secretary of the Navy may formulate; and for the purpose of classifying, compiling, and publishing the results of the competition, ten thousand dollars.

Beneficiaries,  
payments to.

Supplemental, Naval Home: To pay beneficiaries for extra duties performed by them at the home from March first to June thirtieth, nineteen hundred and six, in established ratings, one thousand two hundred and five dollars and sixty-six cents; to pay the following-named men for



services rendered to the home during the second half of March, nineteen hundred and six: John T. Foley, mechanic, fourteen days, at four dollars per diem, fifty-six dollars; Joseph S. Trainer, carpenter, fourteen days, at two dollars and eighty cents per diem, thirty-nine dollars and twenty cents; Alonzo Hersh, plasterer, five days, at two dollars and eighty cents per diem, fourteen dollars; Frank W. Mohler, store laborer, one-half month, at forty dollars per month, twenty dollars.

\* \* \* \* \*

BUREAU OF ORDNANCE.

\* \* \* \* \*

NEW BATTERIES FOR SHIPS OF THE NAVY: For new sights for five-inch, six-inch, and seven-inch guns and modifying their mounts, two hundred and forty-five thousand dollars. New batteries.

For lining and hooping to the muzzle eight-inch Mark V guns, sixty thousand dollars.

\* \* \* \* \*

MODERNIZING TURRETS OF SHIPS OF THE NAVY: For range dials, azimuth drums, new range, time of flight and azimuth scales for all turret pointer's sights of all turret vessels previous to the Michigan class, but excluding the Amphitrite, Miantonomoh, Puritan, Terror, and Texas, sixty-four thousand dollars. Modernizing turrets.

For equipments for turret ammunition hoists and rammers to increase the rapidity, safety, and reliability of the ammunition supply and to increase the efficiency and rapidity of loading the guns of all turret vessels authorized previous to the Michigan class, but excluding the Amphitrite, Miantonomoh, Puritan, Terror, and Texas, five hundred thousand dollars.

\* \* \* \* \*

SMALL ARMS AND MACHINE GUNS: For new rifles and machine guns for ships, two hundred and fifty thousand dollars. Rifles and machine guns.

Remodeling torpedoes, one hundred and fifty thousand dollars. Remodeling torpedoes.

\* \* \* \* \*

MINES AND MINE APPLIANCES: For naval-defense mines, appliances, and accessories for mine ships, one hundred thousand dollars. Mines.

TORPEDO STATION, NEWPORT, RHODE ISLAND: \* \* \*. For high-pressure air plant, including air compressors and air storage, ten thousand dollars. High-pressure air plant.

EXPERIMENTS, BUREAU OF ORDNANCE: \* \* \* *Provided*, That no part of this appropriation shall be expended in experiments unless, in the development of armor-piercing projectiles and high explosives, an attack Armor-piercing projectiles.

on heavy turret armor and heavy belt armor is made by armor-piercing projectiles at a battle range not less than eight thousand yards and by explosive gelatine in quantity not less than two hundred pounds exploded against the heavy belt armor and heavy turret armor of an actual vessel.

\* \* \* \* \*

#### BUREAU OF EQUIPMENT.

##### EQUIPMENT OF VESSELS: \* \* \*

Naval equip-  
ment, loan of,  
to military  
schools.

That the act entitled "An act to authorize the Secretary of the Navy to loan naval equipment to certain military schools," approved March third, nineteen hundred and one, be amended by striking out the words "one hundred and forty cadets" and inserting in lieu thereof the words "seventy-five cadets over fifteen years of age."

Water

COAL AND TRANSPORTATION: \* \* \* For water for all purposes on board naval vessels, including the expenses of transportation and storage of the same, \* \* \*.

Bureau of  
Equipment,  
distribution of  
duties.

DISTRIBUTION OF DUTIES: The duties assigned by law to the Bureau of Equipment shall be distributed among the other bureaus and offices of the Navy Department in such manner as the Secretary of the Navy shall consider expedient and proper during the fiscal year ending June thirtieth, nineteen hundred and eleven, and the Secretary of the Navy, with the approval of the President, is hereby authorized and directed to assign and transfer to said other bureaus and offices, respectively, all available funds heretofore and hereby appropriated for the Bureau of Equipment and such civil employees of the bureau as are authorized by law, and when such distribution of duties, funds, and employees shall have been completed, the Bureau of Equipment shall be discontinued as hereinbefore provided: *Provided*, That nothing herein shall be so construed as to authorize the expenditure of any appropriation for purposes other than those specifically provided by the terms of the appropriations, or the submission of estimates for the naval establishment for the fiscal year nineteen hundred and twelve, except in accordance with the order and arrangement of the naval appropriation act for the year nineteen hundred and ten: *Provided further*, That the Secretary of the Navy shall report to Congress at the beginning of its next ensuing session the distribution of the duties of the Bureau of Equipment made by him under the authorization herein granted, with full statement in relation to said distribution and the performance of navy-yard work therein involved: *And provided further*, That line officers may be detailed for duty under staff officers in the manufacturing and repair departments of the navy-yards and naval stations, and all laws or parts of laws in conflict herewith are hereby repealed.

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PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Quay wall, to continue, forty-eight thousand two hundred and fifty dollars.

Portsmouth.

To repair the old highway bridge connecting the navy-yard with the mainland, seven thousand dollars, or so much thereof as may be necessary.

NAVY-YARD, BOSTON, MASSACHUSETTS: Dredging, five thousand dollars; improvements to water front, sixty-five thousand dollars; improvements to yard buildings, fifteen thousand dollars; railroad extension, ten thousand dollars; paving and grading, ten thousand dollars; in all, navy-yard, Boston, one hundred and five thousand dollars.

Boston.

NAVY-YARD, NEW YORK, NEW YORK: Dry dock numbered four (limit of cost is hereby increased to two million five hundred thousand dollars), to continue, five hundred thousand dollars; improvement of water front, two hundred and fifteen thousand dollars; to complete cement shed, one thousand dollars; in all, navy-yard, New York, New York, seven hundred and sixteen thousand dollars.

New York.

NAVY-YARD, PHILADELPHIA, PENNSYLVANIA: Dredging, to complete, two hundred and fifty thousand dollars; in all, navy-yard, Philadelphia, two hundred and fifteen thousand dollars.

Philadelphia.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Dredging, ten thousand dollars.

Washington,  
D. C.

The Secretary of the Navy is hereby authorized and directed to enter into an agreement with the Philadelphia, Baltimore and Washington Railroad Company, for the construction, maintenance and operation, by and at the sole expense of said company, of a sufficient and satisfactory track connection, with such turn-outs and sidings as may be deemed necessary or convenient, to be established and operated from a point on the main running tracks of said Philadelphia, Baltimore and Washington Railroad Company at or in the general vicinity of square south of square one thousand and eighty in the District of Columbia and extending generally along the water front of the Anacostia River at such distance north of the present north bulkhead line of said river as the Commissioners of the District of Columbia may indicate and approve, to a connection with the track system of the United States navy-yard, at or in the vicinity of the east line of Ninth Street, southeast, as said system is now or may be hereafter established: *Provided*, That such track connection, so far as the same may project or extend beyond the right of way or property now owned or occupied by said railroad company, shall be constructed wholly upon a suitable and satisfactory right of way to be provided for such purposes by the United States, the

Railroad  
track connection.



title to which shall at all times remain in the United States: *Provided further*, That, so far as may be consistent with the public interests, said track connection with its appurtenant turn-outs and sidings shall be located and constructed in, upon, over and through public grounds, space and streets of the United States, as the same are now, or may be hereafter, ascertained and established.

Upon the execution of the agreement above provided for, the Secretary of the Navy is hereby authorized and directed to acquire any part of the land or property necessary for yardage or right of way, by purchase or condemnation, and to construct the connections, side-tracks, turn-outs and switches necessary to the proper operation of the yard system in connection with said branch track, and for such purpose the sum of one hundred and thirty-six thousand dollars, or so much thereof as may be necessary, is hereby appropriated out of any money in the Treasury of the United States not otherwise appropriated.

The work of constructing the track connection between the points above specified shall be begun by the Philadelphia, Baltimore and Washington Railroad Company within two months after the right of way necessary therefor shall have been acquired and provided, and the track connection shall be completed and put in operation within fifteen months from the beginning of its construction, provided that said Philadelphia, Baltimore and Washington Railroad Company shall not be required to expend in the construction of said track connection any sum in excess of ninety-two thousand five hundred dollars, being the present estimated cost of such construction.

Pending the completion of the track connection above provided for, the Philadelphia, Baltimore and Washington Railroad Company is hereby authorized to maintain its track connection with the United States navy-yard as at present existing, and to continue the operation thereof under such rules and regulations as may be established by the Commissioners of the District of Columbia for the governance thereof, provided that within thirty days after the completion of the new track connection with the United States navy-yard, hereinbefore authorized and provided for, said Philadelphia, Baltimore and Washington Railroad Company shall, at its own expense, remove said existing track connection and restore and make the surface of the streets over and through which the same is laid satisfactory to the Commissioners of the District of Columbia: *Provided further*, That Congress reserves the right to alter, amend, or repeal this act.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, ten thousand dollars; electric-light plant, extensions, twenty-five thousand dollars; repairs, buildings,

Saint Helena, twenty-five thousand dollars; dredging, to continue, twenty-five thousand dollars; compressed-air system, extensions, ten thousand dollars; improvements to water front, one hundred thousand dollars; to enlarge dry dock numbered three, five hundred and fifty thousand dollars; crane track around dry dock numbered three, to continue, twenty thousand dollars; paving and grading, thirty thousand dollars; power plant, coal storage, twenty-five thousand dollars; electric motors for pumping plants, dry docks one and two, thirty-five thousand dollars; water-closets and lavatories in yard shops, twenty-five thousand dollars; heating system, extension, fifteen thousand dollars; in all, navy-yard, Norfolk, Virginia, eight hundred and ninety-five thousand dollars.

NAVY-YARD, PENSACOLA, FLORIDA: For elevator for building numbered one (to complete), two thousand dollars.

Pensacola.

NAVAL STATION, NEW ORLEANS, LOUISIANA: For power house and plant, sixty-four thousand six hundred and seventy-seven dollars and seventy-one cents, previously appropriated and erroneously transferred to the appropriation "Consolidation of power plants."

New Orleans.

NAVY-YARD, MARE ISLAND, CALIFORNIA: To continue improvement of channel, one hundred thousand dollars; in all, navy-yard, Mare Island, one hundred thousand dollars.

Mare Island.

For purchase of a shed belonging to the dry dock contractors, navy-yard; Mare Island, California, two thousand dollars.

NAVY-YARD, PUGET SOUND, WASHINGTON: Dry dock (limit of cost is hereby increased to two million three hundred thousand dollars), to continue, six hundred thousand dollars; storehouse, to complete, one hundred and sixty thousand dollars; foundry, to complete, one hundred and twenty-five thousand dollars; in all, navy-yard, Puget Sound, Washington, eight hundred and eighty-five thousand dollars.

Puget Sound.

NAVAL STATION, PEARL HARBOR, HAWAII: Dredging, one million five hundred thousand dollars; dry dock (limit of cost is hereby increased to two million seven hundred thousand dollars), to continue, one million dollars; in all, two million five hundred thousand dollars.

Pearl Harbor.

The Secretary of the Navy is hereby authorized to utilize toward yard development of the naval station, Pearl Harbor, Hawaii, the sum of thirty-five thousand dollars appropriated by the act of June twenty-ninth, nineteen hundred and six, for the reclamation of that portion of the naval station, Honolulu, Hawaii, known as "The Reef."

FLOATING CRANE: One one-hundred-ton floating crane (to cost not exceeding two hundred and fifty thousand dollars), one hundred and twenty-five thousand dollars, for use at Pearl Harbor, Hawaii.

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## PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

Naval Academy. BUILDINGS AND GROUNDS, NAVAL ACADEMY: For one wooden pier with creosoted piles, forty thousand dollars.

For transfer of power plant from temporary location to new building: provide new equipment when necessary; connect heating, lighting, and other mains to new power house; complete grading about building; repair coal-handling apparatus, one hundred and eight thousand two hundred dollars.

Guam. BUILDINGS FOR LEPCRS, ISLAND OF GUAM: Naval station, island of Guam: Maintenance and care of lepers and other special patients, fourteen thousand dollars; in all, fourteen thousand dollars.

Naval trial course. For the purchase of land in the vicinity of the naval trial course, Monroe Island, Penobscot Bay, Maine, for the establishment of permanent signals to mark each end of the measured course, three thousand four hundred dollars.

Total public works under Secretary's office, one hundred and sixty-five thousand six hundred dollars.

## PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Improvements, naval training station, Rhode Island. NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Repairs to Barracks "C," to continue, two thousand dollars; repairs to Barracks "B," five thousand dollars; underground conduit system, to continue, nine thousand three hundred dollars; in all, naval training station, Rhode Island, sixteen thousand three hundred dollars.

In all, public works, Bureau of Navigation, sixteen thousand three hundred dollars.

## PUBLIC WORKS, BUREAU OF ORDNANCE.

Improvements, naval magazines, Indian Head. NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: One additional emplacement for new Mark twelve-inch or fourteen-inch guns, ten thousand dollars; in all, naval proving ground, Indian Head, ten thousand dollars.

Fort Mifflin. Naval magazine, Fort Mifflin, Pennsylvania: Electric connection to navy-yard, Philadelphia, Pennsylvania, with transformer, street lamps, connections to buildings, and wiring quarters for electric lights, eight thousand five hundred dollars.

Mare Island. Naval magazine, Mare Island, California: Salt-water system for fire protection, eight thousand dollars; lighting rods for all buildings not equipped with same, six hundred dollars; in all, eight thousand six hundred dollars.

Puget Sound. For naval magazine, navy-yard, Puget Sound, Washington: One magazine building, seven thousand dollars; one filling house, one thousand one hundred dollars; one small arms ammunition house, seven thousand dollars;



one latrine for workmen, five hundred dollars; fire-protection system, to include installation of sprinkling system in buildings already constructed and under construction, three thousand dollars; sewerage system for all inhabited buildings and for workmen's latrine, three thousand dollars; in all, twenty-one thousand six hundred dollars.

Naval torpedo station, Newport, Rhode Island: One general storehouse for the stowage of materials for manufacturing purposes and uses of the station, fifty thousand dollars; three latrines, two thousand one hundred dollars; electric conduits, wires and fittings, for lighting, telephone, and watchmen clock systems of the station, cable to Rose Island and extra cable to Newport, five thousand dollars; in all, fifty-seven thousand one hundred dollars.

Improvements, torpedo station, Newport.

PACIFIC COAST TORPEDO STATION: For torpedo station, near Pacific coast of the United States: For the purchase of land for a torpedo station near the Pacific coast of the United States: and toward the clearing and grading of the land; protection to water front; wharf; firing and observation stations; with all necessary buildings and equipment for the station; and the employment of such clerical and expert assistance as may be required for the prosecution of the work, one hundred and forty-five thousand dollars.

Establishment of torpedo station, Pacific coast.

NAVAL MAGAZINE, OLONGAPO, PHILIPPINE ISLANDS: For naval magazine, Olongapo, Philippine Islands: One storehouse, one magazine, and one fuse house, eight thousand eight hundred dollars.

Naval magazine, Olongapo.

Total public works, under Bureau of Ordnance, two hundred and fifty-nine thousand six hundred dollars.

#### PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

NAVAL OBSERVATORY: Grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars.

Naval Observatory.

#### PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

NAVAL HOSPITAL, GREAT LAKES: For the completion of naval hospital buildings, to cost not to exceed two hundred and fifty thousand dollars, as authorized by the act of Congress approved May thirteenth, nineteen hundred and eight, one hundred and fifty thousand dollars.

Naval hospital, Great Lakes.

Total public works under Bureau of Medicine and Surgery, one hundred and fifty thousand dollars.

#### PUBLIC WORKS, MARINE CORPS.

Barracks and quarters, Marine Corps:

For the extension of marine officers' quarters and the improvement of ground, navy-yard, Philadelphia, Pennsylvania, seventy thousand dollars.

Barracks and quarters, improvements to. Philadelphia.

Norfolk.

For the extension of marine officers' quarters, navy-yard, Norfolk, Virginia, forty-seven thousand five hundred dollars.

In all, public works, Marine Corps, one hundred and seventeen thousand five hundred dollars: *Provided*, That no part of said sum shall be expended for the construction of quarters for marine officers the total cost of which, exclusive of cost of piling and including the heating and plumbing apparatus, wiring, and fixtures, shall exceed in the case of quarters of a general officer the sum of fifteen thousand dollars; of a colonel or an officer above the rank of captain, twelve thousand dollars; and of an officer of and below the rank of captain, nine thousand dollars.

\* \* \* \* \*

#### BUREAU OF SUPPLIES AND ACCOUNTS.

Ships' stores,  
profit on sales  
from.

PROVISIONS, NAVY: \* \* \* *Provided*, That hereafter a profit not to exceed fifteen per centum may be charged on sales from ships' stores, such profit to be expended in the discretion of the Secretary of the Navy, under such regulations as he may prescribe, for the amusement, comfort, and contentment of the enlisted force, and to be accounted for to the Bureau of Supplies and Accounts, Navy Department: \* \* \*

#### BUREAU OF CONSTRUCTION AND REPAIR.

Repairs to  
ships (named).

CONSTRUCTION AND REPAIR OF VESSELS: \* \* \* And the Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessels herein named, in an amount not to exceed the sum specified for each vessel, respectively, as follows: New Jersey, eight hundred and ten thousand dollars; Rhode Island, eight hundred and ten thousand dollars; Brooklyn (additional to four hundred and fifty-three thousand five hundred dollars, authorized by the appropriation act approved May thirteenth, nineteen hundred and eight), seventy thousand dollars; Colorado, six hundred and eighty thousand dollars; Maryland, six hundred and thirty thousand dollars; Pennsylvania, six hundred and eighty thousand dollars; West Virginia, six hundred and thirty thousand dollars; Boston, two hundred and fifty-six thousand dollars; Charleston, five hundred and forty thousand dollars; San Francisco (additional to six hundred thousand two hundred and fifty dollars, authorized by the appropriation act approved May thirteenth, nineteen hundred and eight), forty thousand dollars; Detroit, three hundred and fifty-one thousand dollars; Iris, two hundred and five thousand dollars; Annapolis, one hundred and one thousand dollars; Arayat, thirty-four thousand five hundred dollars; Iroquois, fifty-one thousand five hun-

dred dollars; Potomac, forty-one thousand five hundred dollars; Sebago, twenty-eight thousand five hundred dollars; Waban, twenty-seven thousand five hundred dollars; Nero, one hundred and five thousand dollars; Ingalls, one hundred and sixty-five thousand dollars; Essex, sixty thousand dollars; Gopher, twenty-eight thousand dollars; in all, six million three hundred and forty-four thousand five hundred dollars, as per the letter of the Secretary of the Navy, contained in House Document Numbered Four hundred and seventy-one, Sixty-first Congress, second session, concerning repairs to certain naval vessels: \* \* \*.

BUREAU OF STEAM ENGINEERING.

STEAM MACHINERY: \* \* \*.

Provides "For pay of classified force under the bureau, \* \* \*."

So much of the appropriation made by the naval appropriation act approved March third, nineteen hundred and three, for the complete equipment of the buildings at the engineering experiment station, United States Naval Academy, Annapolis, Maryland, as has been carried to the surplus fund and covered into the Treasury pursuant to section ten of the sundry civil appropriation act approved March fourth, nineteen hundred and nine, is hereby reappropriated for the equipment of said building.

Experiment station, Annapolis.

Buildings, engineering experiment station, United States Naval Academy, Annapolis, Maryland: Dredging in basin and coal dock, five thousand dollars.

Basin and coal dock.

NAVAL ACADEMY.

PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY: One professor as head of the department of physics, three thousand six hundred dollars.

Organization and pay of professors and instructors, classified service.

One professor of mathematics, one of mechanical drawing, one of English, one of French, and one of Spanish, at three thousand dollars each.

Three professors, namely, one of English, one of French, and one of Spanish, at two thousand six hundred and forty dollars each.

Five instructors, at two thousand four hundred dollars each.

Four instructors, at two thousand one hundred and sixty dollars each.

Ten instructors, at one thousand eight hundred dollars each.

One swordmaster, one thousand five hundred dollars; one assistant, one thousand two hundred dollars; and two assistants, at one thousand dollars each, four thousand seven hundred dollars; two instructors in physical train-



ing, at one thousand five hundred dollars each, and one assistant instructor in physical training, at one thousand dollars; and one instructor in gymnastics, one thousand two hundred dollars, five thousand two hundred dollars; one assistant librarian, two thousand one hundred and sixty dollars; one cataloguer, one thousand one hundred dollars; and two shelf assistants, at nine hundred dollars each, five thousand and sixty dollars; one secretary of the Naval Academy, one thousand eight hundred dollars; one clerk, one thousand four hundred and forty dollars; five clerks, at one thousand two hundred dollars each; four clerks, at one thousand dollars each; four clerks, at nine hundred dollars each; and two writers, at seven hundred and twenty dollars each; eighteen thousand two hundred and eighty dollars; one draftsman, one thousand two hundred dollars; and one surveyor, one thousand two hundred dollars, two thousand four hundred dollars; one dentist, two thousand five hundred and twenty dollars; and services of organist at chapel, three hundred dollars; one captain of the watch, nine hundred and twenty-four dollars; one second captain of the watch, eight hundred and twenty-eight dollars; and twenty-two watchmen, at seven hundred and thirty-two dollars each, seventeen thousand eight hundred and fifty-six dollars.

DEPARTMENT OF ORDNANCE AND GUNNERY: One mechanic, nine hundred and sixty dollars, and one at seven hundred and fifty dollars; one armorer, six hundred and sixty dollars; one chief gunner's mate, five hundred and forty dollars; and three quarter gunners, at four hundred and eighty dollars each, four thousand three hundred and fifty dollars.

DEPARTMENTS OF ELECTRICAL ENGINEERING AND PHYSICS: Two electrical machinists, at one thousand dollars each; one mechanic, seven hundred and thirty dollars; and one at seven hundred and twenty dollars, three thousand four hundred and fifty dollars.

DEPARTMENT OF SEAMANSHIP: One coxswain, four hundred and eighty dollars; three seamen, at four hundred and twenty dollars each, one thousand seven hundred and forty dollars.

DEPARTMENT OF MARINE ENGINEERING AND NAVAL CONSTRUCTION: One master machinist, one thousand eight hundred dollars, and one assistant, one thousand two hundred dollars; one pattern maker, one thousand two hundred dollars; one boiler maker, one blacksmith, three machinists, one molder, and one coppersmith, at one thousand and eighty dollars each; and for draftsman, two thousand dollars; machinists, and other employees, six thousand seven hundred and sixty-eight dollars, twenty thousand five hundred and twenty-eight dollars.

COMMISSARY DEPARTMENT: One chief cook, one thousand two hundred dollars; four cooks, at six hundred dollars each, and eight assistants, at three hundred dol-

lars each; one steward, one thousand two hundred dollars, and one assistant, six hundred dollars; one head waiter, seven hundred and twenty dollars, and two assistants, at four hundred and eighty dollars each; two pantry men, at four hundred and twenty dollars each; one chief baker, one thousand two hundred dollars; one baker, six hundred dollars; two assistants, at five hundred and forty dollars each, and one assistant, four hundred and twenty dollars; necessary waiters, at sixteen dollars per month each, thirteen thousand four hundred and forty dollars, twenty-seven thousand and sixty dollars; one messenger to the superintendent, six hundred dollars, and twenty-five attendants, at three hundred dollars each, eight thousand one hundred dollars; in all, thirty-five thousand one hundred and sixty dollars.

In all, civil establishment, one hundred and eighty-six thousand seven hundred and four dollars.

CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY: Text and reference books for use of instructors; stationery, blank books and forms, models, maps, and periodicals; apparatus and materials for instruction in physical training and athletics; expenses of lectures, including pay and expenses of lecturer; chemicals, philosophical apparatus and instruments, stores, machinery, tools, fittings, apparatus, and materials for instruction purposes, thirty-eight thousand five hundred dollars. Current expenses.

Purchase, binding, and repair of books for the library (to be purchased in the open market on the written order of the superintendent), two thousand dollars.

Expenses of the Board of Visitors of the Naval Academy, being mileage and five dollars per diem for each member for expenses during actual attendance at the academy, and for clerk hire, carriages, and other incidental and necessary expenses of the board, two thousand dollars. Board of visitors.

For contingencies for the superintendent of the academy, to be expended in his discretion, two thousand dollars. Contingencies.

In all, current and miscellaneous expenses, forty-four thousand five hundred dollars.

MAINTENANCE, NAVAL ACADEMY: For general maintenance at the Naval Academy, namely: For books, periodicals, maps, models, and drawings; purchase and repair of fire engines; fire apparatus and plants; machinery; purchase and maintenance of all horses and vehicles for use at the academy; seeds and plants; tools and repairs of the same; stationery; furniture for government buildings and offices at the academy; coal and other fuel; candles, oil, and gas; attendance on light and power plants; cleaning and clearing up station and care of buildings; attendance on fires, lights, fire engines, fire apparatus, and plants, and telephone, telegraph, and clock systems; incidental labor; advertising; water tax, Maintenance.

postage, telephones, telegrams, tolls, and ferriage; flags and awnings; packing boxes; fuel for heating and lighting bandsmen's quarters; pay of inspectors and draftsmen; music, musical and astronomical instruments; and for the pay of employees on leave, two hundred and ten thousand dollars.

Bandsmen,  
buildings for.

Rent of buildings for the use of the academy and commutation of rent for bandsmen at eight dollars per month each, two thousand nine hundred and sixty-four dollars.

Repairs.

REPAIRS, NAVAL ACADEMY: Necessary repairs of public buildings, wharves, and walls inclosing the grounds of the Naval Academy, improvements, repairs, furniture, and fixtures, sixty-five thousand dollars.

In all, maintenance, two hundred and seventy-seven thousand nine hundred and sixty-four dollars.

In all, Naval Academy, five hundred and nine thousand one hundred and sixty-eight dollars.

#### MARINE CORPS.

PAY, MARINE CORPS: \* \* \*

PAY OF CIVIL FORCE: \* \* \*.

Assistant  
paymasters,  
clerks for.

For each assistant paymaster, one clerk who shall hereafter be available where his services are required and who shall receive the same pay, allowances, and other benefits as are now or may hereafter be provided for paymaster's clerks of corresponding length of service in the United States Army (five clerks in all), seven thousand dollars.

\* \* \* \* \*

School of  
application.

MILITARY STORES, MARINE CORPS: \* \* \* For the purchase of one site at a cost not to exceed two thousand dollars; \* \* \*.

Rifles, pur-  
chase of.

For the purchase of Springfield rifles from the United States Army, fifty thousand dollars.

\* \* \* \* \*

#### INCREASE OF THE NAVY.

Two battle-  
ships.

That, for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed two first-class battle ships to cost, exclusive of armor and armament, not exceeding six million dollars each, similar to the battle ship authorized by the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and nine.

Two colliers.

Two fleet colliers of fourteen knots trial speed, when carrying not less than twelve thousand five hundred tons of cargo and bunker coal, to cost not exceeding one million dollars each.

And the contract for the construction of said vessels shall contain a provision requiring said vessels to be built in accordance with the provisions of an act entitled "An



act relating to the limitation of the hours of daily service of laborers and mechanics employed upon the public works of the United States and of the District of Columbia," approved August first, eighteen hundred and ninety-two, and shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same; the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, except that the Secretary of the Navy may accept, in lieu of an indemnity bond, the deposit by contractors of United States Government or State bonds, under such conditions and in such manner as the Secretary may prescribe, having due regard for the rights and protection of the United States, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel materials shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy, provided contracts for furnishing the same in a reasonable time, at a reasonable price, and of the required quality can be made with responsible parties: *Provided*, That not more than one of the battle ships provided for in this act shall be built by the same contracting party: *Provided always*, That one of the battle ships herein authorized shall be constructed in one of the navy-yards.

For four submarine torpedo boats in an amount not exceeding in the aggregate two million dollars, and the sum of eight hundred thousand dollars is hereby appropriated toward said purpose.

Four submarines.

For six torpedo-boat destroyers, to have the highest practicable speed, and to cost in all not to exceed seven hundred and fifty thousand dollars each, and toward the construction of said torpedo-boat destroyers the sum of two million two hundred and twenty-five thousand dollars is hereby appropriated.

Six torpedo-boat destroyers.

The Secretary of the Navy may build any or all of the vessels authorized in this act in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement, or understanding, the effect,

object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

Construction  
and machinery.

**CONSTRUCTION AND MACHINERY:** On account of hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, seventeen million one hundred seventy-five thousand seven hundred and fifty three dollars: *Provided*, That no part of the above appropriation shall be used for the payment of the construction of any collier the total cost of which shall exceed one million dollars.

Submarines.

**INCREASE OF THE NAVY; TORPEDO BOATS:** On account of submarine torpedo boats, heretofore authorized, eight hundred and fifty-nine thousand nine hundred and seventy-one dollars.

Torpedo  
boats.

**INCREASE OF THE NAVY; TORPEDO BOATS:** On account of torpedo vessels whose vitals are located below the normal load water line, upon condition of compliance with the authorization in the act entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and ten, and for other purposes," four hundred and forty-five thousand dollars: *Provided*, That the Secretary of the Navy may, in his discretion, expend any part of the amount hereby appropriated, for small vessels of this type having a speed exceeding nineteen knots at a cost not to exceed thirty thousand dollars each: *Provided*, That nothing herein contained shall be construed as mandatory upon the Secretary of the Navy to purchase said vessels.

Colliers, to  
continue.

**INCREASE OF THE NAVY; COLLIERIES:** On account of two fleet colliers, heretofore authorized, three hundred thousand dollars: *Provided*, That the unexpended balance of the sum of one million five hundred thousand dollars appropriated toward the construction of two fleet colliers authorized by the naval appropriation act approved May thirteenth, nineteen hundred and eight, is hereby reappropriated and made available for the construction of the collier therein designated to be built on the Pacific coast in such government yard as the Secretary of the Navy shall direct: *Provided further*, That the cost of said collier shall not exceed the sum of one million dollars.

Armor and  
armament.

**ARMOR AND ARMAMENT:** Toward the armor and armament of domestic manufacture for vessels authorized, eleven million five hundred and sixty-five thousand one hundred and twenty-two dollars: *Provided*, That no part of this appropriation shall be expended for armor for vessels except upon contracts for such armor when awarded by the Secretary of the Navy to the lowest responsible bidders, having in view the best results and most expeditious delivery.

Equipment.

**INCREASE OF THE NAVY; EQUIPMENT:** Toward the completion of the equipment outfit of the new vessels author-

ized, three hundred and ninety-nine thousand five hundred dollars.

Total increase of the navy, thirty-three million seven hundred and seventy thousand three hundred and forty-six dollars.

*Provided*, That no part of any sum hereby appropriated under "Increase of the navy" shall be used for the payment of any clerical, drafting, inspection, and messenger service, or for pay of any of the other classified force, under the various bureaus of the Navy Department in Washington, District of Columbia.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority is given by law for such expenditure.

Approved, June 24, 1910.





SIXTY-FIRST CONGRESS, THIRD SESSION—MARCH 4, 1911.

[PUBLIC—No. 479.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and twelve, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY

Is added: "Pay and allowances prescribed by law of officers on sea duty and other duty; officers on waiting orders; officers on the retired list; clerks to paymasters and not exceeding ten clerks to accounting officers at yards and stations, general storekeepers ashore and afloat not exceeding ten clerks, and receiving ships, and other vessels; two clerks to general inspectors of Pay Corps; one clerk to pay officer in charge of deserters' rolls,<sup>1</sup>  
\* \* \*"

Paymasters' clerks, who entitled to.

Provides "That the accounting officers of the Treasury are \* \* \* authorized and directed to open and resettle, upon application, the accounts of volunteer officers of the Navy who served in the War with Spain, and to resettle such accounts in accordance with the decision of the Supreme Court of the United States in the case of the United States against John M. Hite, reported in Two hundred and fourth United States Reports, page three hundred and forty-three."

John M. Hite, relief of.

\* \* \* CONTINGENT, NAVY: \* \* \* It is "*Provided* \* \* \* That the Secretary of the Navy be, and he hereby is, authorized, in his discretion, to make partial payments from time to time during the progress of the work under existing contracts and all contracts hereafter made under the Navy Department for public purposes, but not in excess of ninety per centum of the value of work already done; and the contracts hereafter made shall provide for such insurance as the Secretary of the Navy may deem sufficient, and for a lien in favor of the Government, which lien is hereby made paramount to all other liens, upon the articles or thing contracted for on account of all

Partial payments.

<sup>1</sup>Amended by act July 21, 1911, Pub. No. 2, to read as follows:

"Clerks to paymasters at yards and stations, general storekeepers ashore, and receiving ships, and other vessels; two clerks to general inspectors of the Pay Corps; one clerk to pay officer in charge of deserters' rolls; not exceeding ten clerks to accounting officers at yards and stations; and not exceeding ten clerks to general storekeepers afloat."

payments so made, provided that partial payments shall not be made under such contracts except where stipulated for and then only in accordance with contract provisions."<sup>1</sup>

Former engineer officers to be additional numbers.

That officers on the active list of the line of the United States Navy who, under authority of law, now perform engineering duty on shore only are hereby made additional to the numbers in the grades in which they are now serving, and shall be carried as additional to the numbers of each grade to which they may hereafter be promoted: *Provided*, That said officers shall be entitled to all the benefits of retirement under existing or future laws equally with other officers of like rank and service.

Officers, retirement of in next higher grade.

Hereafter, if any officer of the United States Navy shall fail in his physical examination for promotion and be found incapacitated for service by reason of physical disability contracted in the line of duty, he shall be retired with the rank to which his seniority entitled him to be promoted.

\* \* \* \* \*

#### BUREAU OF NAVIGATION.

\* \* \* \* \*

Aviation, experiments in.

For experimental work in the development of aviation for naval purposes, twenty-five thousand dollars.

\* \* \* \* \*

Naval training station, Great Lakes.

NAVAL TRAINING STATION, GREAT LAKES: \* \* \*

For "fire \* \* \* extinguishers; boats and gymnastic implements; models and other articles needed in instruction of apprentice seamen; printing outfit and material, and maintenance of same; \* \* \* repairs to power-plant equipment, distributing mains, tunnel, and conduits; \* \* \* lectures and suitable entertainments for apprentice seamen; \* \* \*."

#### BUREAU OF ORDNANCE.

\* \* \* \* \*

Guns, work on.

For fitting new breech mechanisms to three-inch, fifty-caliber, Mark III guns, one hundred thousand dollars.

Modifying breech mechanisms of three-inch, four-inch, five-inch, and six-inch guns, one hundred thousand dollars.

<sup>1</sup> Repealed Pub. Res. No. 5, Aug. 14, 1911. Reenacted in following modified form, act Aug. 22, 1911:

"That the Secretary of the Navy be, and he hereby is, authorized, in his discretion, to make partial payments from time to time during the progress of the work under existing contracts and all contracts hereafter made under the Navy Department for public purposes, but not in excess of the value of work already done; and the contracts hereafter made shall provide for a lien in favor of the Government, which lien is hereby made paramount to all other liens, upon the articles or thing contracted for on account of all payments so made: *Provided*, That partial payments shall not be made under such contracts except where stipulated for, and then only in accordance with contract provisions."



For replacing Mark VI six-inch guns with Mark VIII guns, and repairing and modernizing the Mark VI guns for issue, two hundred thousand dollars.

For landing guns and appurtenances, two hundred thousand dollars.

\* \* \* \* \*

ARMING AND EQUIPPING NAVAL MILITIA: \* \* \* For \* \* \* salaries of the necessary clerical force and office expenses in the Navy Department, at Washington, District of Columbia, \* \* \* *Provided*, That immediately upon the approval of this Act the necessary employees in the Navy Department, at Washington, District of Columbia, may be appointed, and their salaries and office expenses for the remainder of the fiscal year ending June thirtieth, nineteen hundred and eleven, paid from the unexpended balance of appropriations heretofore made for "Arming and equipping Naval Militia."

Naval Militia office force.

That the Secretary of the Navy be, and he is hereby, authorized to loan, at his discretion, to the city of Detroit, Michigan, for exhibition in the Detroit Museum of Art, the silver service presented to the United States ship Detroit by the city of Detroit: *Provided*, That should another vessel be hereafter named after the city of Detroit the said silver service shall be returned by the city of Detroit to such vessel: *And provided further*, That no expense shall be caused the United States Government by the delivery of the said service, the same to be delivered at such time and under such conditions as may be agreed upon between the Secretary of the Navy and A. H. Griffith, the director of the Detroit Museum of Art.

Detroit.

Silver service, loan of.

\* \* \* \* \*

#### BUREAU OF YARDS AND DOCKS.

MAINTENANCE OF YARDS AND DOCKS: \* \* \* *Provided*, \* \* \* That the Secretary of the Navy is authorized, in his discretion, to furnish hereafter, without charge, heat and light for the Young Men's Christian Association buildings in navy yards and stations.

Heat and light furnished to Y. M. C. A.

#### PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY YARD, PORTSMOUTH, NEW HAMPSHIRE: Combined railway and highway bridge, with approach and appurtenances (cost not to exceed one hundred and twenty-five thousand dollars), one hundred and twenty-five thousand dollars; railroad rolling stock, additional, four thousand dollars; for continuing the extension of the quay wall, one hundred thousand dollars; in all, two hundred and twenty-nine thousand dollars.

Portsmouth.

NAVY YARD, BOSTON, MASSACHUSETTS: Dredging, five thousand dollars; toward one hundred and fifty ton

Boston.

floating crane (cost not to exceed three hundred and twenty-five thousand dollars), one hundred and fifty thousand dollars; improvements to water front, fifty thousand dollars; improvements to yard buildings, ten thousand dollars; paving, ten thousand dollars; electrical system, extension, five thousand dollars; one officer's quarters, twelve thousand dollars; improvement of central power plant, twenty thousand dollars; enlargement of Dry Dock Numbered Two, fifteen thousand dollars, to be immediately available; in all, navy yard, Boston, two hundred and seventy-seven thousand dollars.

New York.

NAVY YARD, NEW YORK, NEW YORK: Dry Dock Numbered Four, to complete, five hundred and fifty thousand dollars; improvement of water front, to continue, one hundred thousand dollars; bollards and capstans for Dry Dock Numbered Four, forty-two thousand five hundred dollars; crane track and extension of railroad track around Dry Dock Numbered Four, forty-three thousand dollars; supply pipes around Dry Dock Numbered Four, fifteen thousand dollars; paving around Dry Dock Numbered Four, twenty-four thousand dollars; condenser system, forty-five thousand dollars; distributing systems, extensions, fifty thousand dollars; railroad equipment, extensions, five thousand dollars; yard dispensary, extension, four thousand five hundred dollars; in all, navy yard, New York, New York, eight hundred and seventy-nine thousand dollars.

Philadelphia.

NAVY YARD, PHILADELPHIA, PENNSYLVANIA: Rebuilding Pier Numbered Five, seventy-five thousand dollars; reserve basin, extension, fifty thousand dollars; railroad track and equipment, five thousand dollars; sanitation system, reserve basin (to cost not to exceed seventy-five thousand dollars), thirty thousand dollars; in all, navy yard, Philadelphia, one hundred and sixty thousand dollars.

Washington.

NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: Dredging, to continue, five thousand dollars; new foundry (cost not to exceed two hundred thousand dollars), one hundred thousand dollars; railroad tracks, extension, two thousand dollars; paving, to continue, two thousand five hundred dollars; in all, one hundred and nine thousand five hundred dollars.

Guantanamo.

NAVAL STATION, GUANTANAMO, CUBA: For emergency repair installation, three hundred and seventy-eight thousand five hundred dollars.

Norfolk.

NAVY YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, five thousand dollars; electric-light plant, extensions, twenty-five thousand dollars; repairs, buildings, Saint Helena, twenty-five thousand dollars; dredging, to continue, twenty thousand dollars; compressed-air system, extensions, five thousand dollars; improvements to water front, one hundred thousand dollars; paving and grading, ten thousand dollars; heating system, extension,

fifteen thousand dollars; sewer system, extensions, six thousand dollars; water system, extension, five thousand dollars, garbage crematory, ten thousand dollars; fire-protection system, extensions, five thousand dollars; renewals and additions to one hundred and twenty-ton floating derrick, five thousand dollars; renewal of Richmonds Dock, twelve thousand dollars; natatorium, Saint Helena, four thousand five hundred dollars; purchase of land and widening of channel, eighty thousand dollars; the sum of twenty thousand dollars appropriated by the Act of June twenty-fourth, nineteen hundred and ten, for crane track around Dry Dock Numbered Three is hereby reappropriated and made available for renewal of locomotive crane tracks; in all, navy yard, Norfolk, Virginia, three hundred and thirty-two thousand five hundred dollars.

NAVY YARD, CHARLESTON, SOUTH CAROLINA: Paving and grading, to continue, five thousand dollars; railroad system, extensions and improvements, five thousand dollars; toward permanently securing deep water at the entrance of the dry dock at the navy yard, sixty thousand dollars; in all, seventy thousand dollars.

Charleston.

NAVAL STATION, KEY WEST, FLORIDA: Approach to Pier B, ten thousand dollars; repairs, coal shed and coal conveyers "A," twenty-three thousand dollars; sewers, two thousand dollars; water system, five thousand dollars; machinery house, marine railway, two thousand dollars; repairs and foundations, Shed B, six thousand dollars; to restore dike and fill, nine thousand dollars; quay wall extension, fifty thousand dollars; in all, one hundred and seven thousand dollars.

Key West.

NAVY YARD, MARE ISLAND, CALIFORNIA: Improvement of hydraulics, Mare Island straits, and so forth, in accordance with the report submitted in House Document Numbered Eleven hundred and three, Sixtieth Congress, second session, three hundred thousand dollars: *Provided*, That the Secretary of the Navy may enter into a contract or contracts for such materials and work as may be necessary to complete the project, to be paid for as appropriations may, from time to time, be made by law, not to exceed in the aggregate five hundred and seven thousand dollars; grading and paving, fifteen thousand dollars; railway system, extensions, ten thousand dollars; water system, extensions, five thousand dollars; electric plant, extensions, five thousand dollars; pneumatic system, extensions, five thousand dollars; improvement of Quarters "I," five thousand dollars; in all, three hundred and forty-five thousand dollars.

Mare Island.

NAVY YARD, PUGET SOUND, WASHINGTON: Dry dock, to to complete, nine hundred thousand dollars; Pier Six, renewals and improvements, twenty-five thousand dollars; heating system, renewals and extensions, ten thousand dollars; water-closets for yard workmen, twelve thousand dollars; paving and walks to commence, ten

Puget Sound.



thousand dollars; garbage incinerator, six thousand dollars; railroad equipment and extension, five thousand dollars; fresh-water system, extensions, five thousand dollars; fire-protection system, extensions, ten thousand dollars; dredging, five thousand dollars; walk on Burwell Avenue, one thousand dollars; in all, navy yard, Puget Sound, Washington, nine hundred and eighty-nine thousand dollars.

Pearl Harbor.

NAVAL STATION, PEARL HARBOR, HAWAII: Dredging channel, to complete, five hundred and forty-five thousand dollars; dry dock, to continue, eight hundred thousand dollars; administration building, fifty thousand dollars; power plant, two hundred and fifty thousand dollars; six officers' quarters, sixty-nine thousand dollars; fresh-water system, twenty-three thousand dollars; foundry, seventy-five thousand dollars; forge shop, fifty thousand dollars; combined ship fitters, metal workers, and boiler shop, one hundred and twenty thousand dollars; pipe and plumber shop, thirty-five thousand dollars; combined wood-working shop, seventy thousand dollars; water-front development, one hundred thousand dollars; naval hospital (total cost not to exceed three hundred thousand dollars), including surgeon's quarters (cost not to exceed twenty-one thousand dollars), quarters for female nurses (cost not to exceed ten thousand dollars), stables (cost not to exceed five thousand dollars); improvement of grounds (cost not to exceed fifteen thousand dollars), seventy-five thousand dollars; in all, two million two hundred and sixty-two thousand dollars.

The capacity of the one hundred and ten ton floating crane authorized by the act of June twenty-fourth, nineteen hundred and ten, for use of Pearl Harbor, is hereby increased to one hundred and fifty tons capacity, and the limit of cost is hereby increased to three hundred and thirty-five thousand dollars.

Guam.

NAVAL STATION, ISLAND OF GUAM: Sewer system, fifteen thousand dollars; extension of naval station roads, ten thousand dollars; coal shed, Piti, one thousand dollars; wharf, Piti, three thousand dollars; ice plant, three thousand dollars; in all, thirty-two thousand dollars.

Tutulla.

NAVAL STATION, TUTUILA, SAMOA: For the purchase of five and eleven-hundredths acres of land, more or less, at Steps Point, owned by natives, on which are located range lights, three hundred dollars.

Naval Academy.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: For a new draw bridge across Dorsey Creek, twenty-five thousand dollars.

Naval training station, Rhode Island, buildings.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Repairs to Barracks "C," two thousand dollars; renewals and repairs to administration building, twenty-thousand dollars; additional water supply, eighteen thousand dollars; extension and renewal of water, steam, sewer, and CO<sub>2</sub> pipes and heating conduit, seven thousand five hun-

dred dollars; additional roads, walks, and pavements in the vicinity of Barracks "C," two thousand dollars; for moving boat house from its present location near detention barracks to a point on the Peninsula, and preparing site for same; three thousand five hundred dollars; in all, naval training station, Rhode Island, fifty-three thousand dollars.

NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: Garbage crematory, one thousand five hundred dollars; house for master of tugs, two thousand six hundred dollars; in all, four thousand one hundred dollars. Naval training station, California, buildings.

NAVAL OBSERVATORY: Grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, five thousand dollars. Naval Observatory.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: For turntable, traverse table, and track, north battery, fourteen thousand five hundred dollars; rebuilding river wharf, ten thousand dollars; in all, naval proving ground, Indian Head, twenty-four thousand five hundred dollars. Naval proving ground, Indian Head, Md.

Naval magazine, Fort Mifflin, Pennsylvania: Building for re-forming plant, six thousand dollars; installation of electric power, lighting, and telephone system, twelve thousand dollars; in all, eighteen thousand dollars. Naval magazines: Fort Mifflin.

Naval magazine, New York Harbor (Iona Island): Extension of sea (river) wall, five thousand dollars; one shell house, twenty-five thousand dollars; in all, thirty thousand dollars. Iona Island.

Naval magazine, Fort Lafayette, New York: Construction of additional floors, making two stories in fixed-ammunition house, shell house, and shell-filling house, and extension of iron balcony on same, five thousand three hundred dollars. Fort Lafayette.

Naval magazine, Lake Denmark, New Jersey: One magazine, fifteen thousand dollars. Lake Denmark.

Naval magazine, Saint Juliens Creek, Virginia: One magazine building, fifteen thousand dollars; one shell house, twenty thousand dollars; acquiring fresh-water supply and additional fire protection, ten thousand dollars; in all, forty-five thousand dollars. St. Juliens Creek.

Naval magazine, Mare Island, California: For one magazine attendant's quarters, three thousand dollars; one shell house, fifteen thousand dollars; in all, eighteen thousand dollars. Mare Island.

For naval magazine, navy yard, Puget Sound, Washington: One office building and laboratory, nine thousand dollars; one magazine, fifteen thousand dollars; one fixed ammunition storehouse, fifteen thousand dollars; in all, thirty-nine thousand dollars. Puget Sound.

Naval torpedo station, Newport, Rhode Island: Garbage crematory, three thousand dollars; fire station for hook and ladder and hose reels, two thousand dollars; stable for horses, wagons, trucks, and yard locomotive Naval torpedo station.

trains, five thousand dollars; water-supply pipe across harbor, six thousand dollars; new power house, toward building (cost not to exceed sixty thousand dollars) and equipping (cost not to exceed one hundred and twenty thousand dollars), sixty thousand dollars; extension of fire mains, six thousand two hundred dollars; paving, additional, five thousand dollars; in all, eighty-seven thousand two hundred dollars.

Naval maga-  
zines:  
G u a n t a -  
namo.

Naval magazine, Guantanamo, Cuba: One magazine, fifteen thousand dollars; one shell house, fifteen thousand dollars; one set quarters and office, eight thousand five hundred dollars; wharf, including clearing, grading, and equipment, twelve thousand five hundred dollars; in all, fifty-one thousand dollars.

Olongapo.

NAVAL MAGAZINE, OLONGAPO, PHILIPPINE ISLANDS: One shell house, one observation magazine, one stowage shed, one marine barracks, extensions to gun-cotton house, railway track and dock, one electric generator, and for lighting grounds and quarters, twenty thousand five hundred and seventy-seven dollars.

Rifle range,  
Winthrop, Md.

For the extension of existing quarters, buildings, mess hall, increasing rifle-range facilities, and the improvement of target butts, Marine Corps, Rifle Range, Winthrop, Maryland, twenty thousand dollars: *Provided*, That no part of said sum shall be expended for the construction of quarters for marine officers the total cost of which, exclusive of cost of piling and including the heating and plumbing apparatus, wiring, and fixtures, shall exceed in the case of quarters of a general officer the sum of fifteen thousand dollars; of a colonel or an officer above the rank of captain, twelve thousand dollars; and of an officer of and below the rank of captain, nine thousand dollars.

\* \* \* \* \*

#### BUREAU OF SUPPLIES AND ACCOUNTS.

\* \* \* \* \*

Naval supply  
fund abolished.

The permanent Naval Supply Fund created by the act of March third, eighteen hundred and ninety-three, as modified by the acts of June tenth, eighteen hundred and ninety-six, and March third, eighteen hundred and ninety-seven, and further increased by the acts of January fifth, eighteen hundred and ninety-nine, and February fourteenth, nineteen hundred and two, is hereby abolished, and of the sum remaining on the books of the Treasury to the credit of the said fund after the adjustment of all liabilities, the Secretary of the Treasury is hereby authorized and directed to cause the sum of one million five hundred thousand dollars transferred to the credit of said fund from the General Account of Advances to be returned to General Account of Advances, and the remainder to be covered into the Treasury; and hereafter the

Naval supply  
account cre-  
ated.



Naval Supply Account for the Naval Establishment, as created by the act of June twenty-fifth, nineteen hundred and ten, under the Bureau of Supplies and Accounts, shall govern the charging, crediting, receipt, purchase, transfer, manufacture, repair, issue, and consumption of all stores for the Naval Establishment, excepting the materials named in that act and such other materials as the Secretary of the Navy may designate: *Provided*, That the amount expended under General Account of Advances for the purchase and manufacture of stores and materials for the Naval Establishment shall not exceed the amount available for such purposes.

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: \* \* \* The Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessels herein named, in an amount not to exceed the sum specified for each vessel, respectively, as follows: Georgia, five hundred thousand dollars; Virginia, five hundred thousand dollars; Arethusa, one hundred and twenty thousand dollars; Iroquois, twenty-five thousand dollars; Nero, forty-five thousand dollars; Nanshan, fifty-five thousand dollars; in all, one million two hundred and forty-five thousand dollars, as per the letter of the Acting Secretary of the Navy contained in House Document Numbered One thousand two hundred and twenty-one, Sixty-first Congress, third session, concerning repairs to certain naval vessels: \* \* \* Repairs to vessels (named).

BUREAU OF STEAM ENGINEERING.

\* \* \* \* \*  
Engineering experiment station, United States Naval Academy, Annapolis, Maryland \* \* \* Engineering experiment station, Annapolis.

Equipment of building: To complete the installation of steam, air, and water lines and electric circuit; for modification of trenches, foundations for machinery; for purchase and installation of additional boiler, forty-two thousand dollars.

Completion of boiler house, fifty thousand dollars.

Six cottages for firemen, one thousand dollars each, six thousand dollars.

\* \* \* \* \*

NAVAL ACADEMY.

\* \* \* \* \*

MEMORIALS, NAVAL ACADEMY: To complete the installation, and for the care, preservation, and display of memorials and other objects of historic interest and value at the Naval Academy, three thousand dollars. Memorials, etc.

*Crypt of chapel.* That the Secretary of the Navy shall have estimates, plans, and specifications prepared for the completion of the crypt of the chapel at the United States Naval Academy, Annapolis, Maryland, as a permanent resting place for the body of John Paul Jones, the cost of said crypt and furnishing of same, including architect's fee and all other expenses of every character connected therewith, not to exceed the sum hereinafter appropriated, said plans and specifications to be approved by the Superintendent of the United States Naval Academy and the Secretary of the Navy.

That the sum of seventy-five thousand dollars, or so much thereof as may be necessary, is hereby appropriated, out of any money in the Treasury not otherwise appropriated, for the completion and furnishing of said crypt in accordance with said plans and specifications.

\* \* \* \* \*

#### MARINE CORPS.

\* \* \* \* \*

*Disallowances, removal of, marine quartermasters' accounts.*

*Provided,* That the accounting officers of the Treasury are hereby authorized and directed to remove any disallowances or suspensions in the accounts of Disbursing Assistant Quartermasters, United States Marine Corps, for the fiscal years of nineteen hundred and ten and nineteen hundred and eleven, for the purchase, maintenance, repair and operation of motor and other vehicles, including the purchase and repair of harness, stable equipment and accessories of the Quartermaster's Department, United States Marine Corps, when approved by the Secretary of the Navy as necessary for the public service.

\* \* \* \* \*

#### INCREASE OF THE NAVY.

*Two battleships.*

That, for the purpose of further increasing the Naval Establishment of the United States, the President is hereby authorized to have constructed two first-class battleships, each carrying as heavy armor and as powerful armament as any vessel of its class, to have the highest practicable speed and the greatest practicable radius of action, and to cost, exclusive of armor and armament, not to exceed six million dollars each.

*Two fleet colliers.*

Two fleet colliers, of fourteen knots trial speed when carrying not less than twelve thousand five hundred tons of cargo and bunker coal, to cost not to exceed one million dollars each.

*Eight destroyers.*

Eight torpedo-boat destroyers, to have the highest practicable speed, and to cost not to exceed eight hundred and twenty-five thousand dollars each.

*Four submarines.*

Four submarine torpedo boats, in an amount not exceeding in the aggregate two million dollars, and the sum

of eight hundred thousand dollars is hereby appropriated for said purpose: *Provided*, That no part of this appropriation shall be expended for the construction of any boat by any person, firm or corporation which has not at the time of the commencement and construction of said vessels established an eight-hour workday for all employees, laborers and mechanics engaged or to be engaged in the construction of the vessels named herein.

One submarine tender, to cost not to exceed five hundred thousand dollars, and the sum of two hundred and fifty thousand dollars is hereby appropriated toward said purpose.

One submarine tender.

One gunboat, to cost, exclusive of armor and armament, not to exceed five hundred thousand dollars.

One gunboat.

One river gunboat, to cost, exclusive of armor and armament, not to exceed two hundred and fifteen thousand dollars.

One river gunboat.

Two seagoing tugs, to cost not to exceed two hundred and fifteen thousand dollars each.

Two seagoing tugs.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, thirteen million five hundred and thirty-one thousand seven hundred and eighty-five dollars and seventy-nine cents: *Provided*, That no part of this appropriation for the construction and machinery of battleships shall be expended for construction of any battleships by any person, firm or corporation which has not at the time of the commencement and during the construction of said vessels established an eight-hour workday for all employees, laborers and mechanics engaged, or to be engaged in the construction of the vessels named herein: *Provided*, That this limitation shall not apply to payments to be made under contracts made prior to the approval of this act: *Provided*, That the limit of cost of the collier authorized and directed by the naval appropriation act, approved May thirteenth, nineteen hundred and eight, to be built in such Government yard on the Pacific coast as the Secretary of the Navy shall direct, is hereby increased from the modified million dollar limit of cost imposed by the act of June twenty-fourth, nineteen hundred and ten, to one million two hundred thousand dollars, exclusive of indirect charges.

Construction and machinery.

INCREASE OF THE NAVY; TORPEDO BOATS: On account of submarine torpedo boats and subsurface destroyers, heretofore authorized, eight hundred and ninety thousand eight hundred and thirty-three dollars and eighty-eight cents: *Provided*, That no part of this appropriation shall be expended for the construction of any boat by any person, firm or corporation which has not at the time of the commencement and during the construction of said vessels established an eight-hour workday for all employees, laborers, mechanics engaged in doing the work

Torpedo boats.



for which this appropriation is made: *Provided*, That this limitation shall not apply to payments to be made upon vessels authorized prior to the approval of this act.

Armor and armament.

ARMOR AND ARMAMENT: Toward the armor and armament for vessels authorized, ten million five hundred and thirty-two thousand nine hundred and twenty-eight dollars: *Provided*, That no part of this appropriation shall be expended for armor for vessels except upon contracts for such armor when awarded by the Secretary of the Navy to the lowest responsible bidders, having in view the best results and most expeditious delivery: *Provided further*, That no part of this appropriation shall be expended for the purchase of armor or armament from any persons, firms or corporations, that have entered into any combination, agreement, conspiracy or understanding, the effect, object or purpose of which is to deprive the Government of fair, open and unrestricted competition in letting contracts for the furnishing of any of said armor or armament.

Florida.

The limit of cost, exclusive of armor and armament, of the battleship Florida, authorized by the naval appropriation act approved May thirteenth, nineteen hundred and eight, to be built in a Government navy yard, is hereby increased from six million dollars to six million four hundred thousand dollars; and the limit of cost, exclusive of armor and armament, of the battleship authorized and directed by the naval appropriation act approved June twenty-fourth, nineteen hundred and ten, to be constructed in one of the navy yards, is hereby increased to six million four hundred thousand dollars, exclusive of indirect charges.

Total increase of the Navy, twenty-six million five thousand five hundred and forty-seven dollars and sixty-seven cents.

*Provided*, That no part of any sum hereby appropriated under "Increase of the Navy" shall be used for the payment of any clerical, drafting, inspection, and messenger service, or for pay of any of the other classified force, under the various bureaus of the Navy Department in Washington, District of Columbia.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority is given by law for such expenditure.

Combinations to monopolize trade, prevention of.

*Provided*, That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament or machinery from any persons, firms or corporations who have combined or conspired to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the States and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates or machinery

shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

By a joint resolution of Congress the President of the United States has been authorized and respectfully requested, by a proclamation or in such manner as he may deem proper, to invite all foreign countries and nations to attend and participate in an exposition at the city and county of San Francisco, California, on or about the first day of January, nineteen hundred and fifteen, to celebrate the completion and opening of the Panama Canal, and also the four hundredth anniversary of the discovery of the Pacific Ocean. Panama Canal exposition.

The President is further authorized and respectfully requested, in extending his invitation to the foreign nations in pursuance of the aforesaid joint resolution of Congress, to invite their representatives and their fleets to assemble at Hampton Roads, Virginia, and from thence come to the city of Washington, there to be formally welcomed by the President; and, at the conclusion of the ceremonies at Washington, the President is requested to proceed to Hampton Roads and there review the assembled fleets as they start on their voyage to the city of San Francisco. Foreign fleets.

Approved, March 4, 1911.





SIXTY-SECOND CONGRESS, SECOND SESSION—AUGUST 22, 1912.

[PUBLIC—No. 290.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and thirteen, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

Is added: "The grades of the active list of the Pay Corps of the Navy are hereby increased by ten additional paymasters, in all eighty-six paymasters, and by twenty additional passed assistant and assistant paymasters, in all one hundred and sixteen passed assistant and assistant paymasters: *Provided*, That the total increase of the Pay Corps of the Navy shall not exceed twenty during the first fiscal year."

Pay Corps,  
additions to  
number in.

The Auditor for the Navy Department is directed to allow payments made to hospital stewards who were granted permanent appointments as of date of May thirteenth, nineteen hundred and eight, which have heretofore been disallowed by reason of a decision of the Assistant Comptroller of the Treasury dated December twenty-ninth, nineteen hundred and ten, and to pay them out of the appropriations for "Pay of the Navy."

Hospital  
stewards.

That hereafter any officer retired under the provisions of sections eight and nine of the act approved March third, eighteen hundred and ninety-nine, an act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States, shall be retired with the rank and three-fourths the sea pay of the grade from which he is retired.

Officers, rank  
and pay on re-  
tirement.

That the act approved May thirteenth, nineteen hundred and eight, making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and nine, and for other purposes, in so far as it relates to the payment of six months' pay to the widow of an officer or enlisted man and so forth, be amended to read as follows:

"That hereafter immediately upon official notification of the death, from wounds or disease not the result of his own misconduct, of any officer or enlisted man on the active list of the Navy and Marine Corps the Paymaster General of the Navy shall cause to be paid to the widow, and, if no widow, to the children, and, if there be no children, to any other dependent relative of such officer or enlisted man previously designated by him, an amount

Gratuity pay.

equal to six months' pay at the rate received by such officer or enlisted man at the date of his death, less seventy-five dollars in the case of an officer and thirty-five dollars in the case of an enlisted man, to defray expenses of interment, and the residue, if any, of the amount reserved shall be paid subsequently to the designated person."

That the portion of the act entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eleven, and for other purposes," approved June twenty-fourth, nineteen hundred and ten, which reads as follows:

Chiefs of  
bureaus.

"The pay and allowances of chiefs of bureaus of the Navy Department shall be the highest shore-duty pay and allowances of the rear admiral of the lower nine, and all officers of the Navy who are now serving or who shall hereafter serve as chief of bureau in the Navy Department, and are eligible for retirement after thirty years' service, shall have, while on the active list, the rank, title, and emoluments of a chief of bureau, in the same manner as is already provided by statute law for such officers upon retirement by reason of age or length of service, and such officers, after thirty years' service, shall be entitled to and shall receive new commissions in accordance with the rank and title hereby conferred," be, and the same is hereby, repealed: *Provided*, That no officer who has received his commission under the provisions of said act shall be deprived of said commission or the rank, title, and emoluments thereof by virtue of this repeal.

Naval officers,  
eligibility to and pay of  
while on active duty.

Hereafter any naval officer on the retired list may, with his consent, in the discretion of the Secretary of the Navy, be ordered to such duty as he may be able to perform at sea or on shore, and while so employed in time of peace shall receive the pay and allowances of an officer of the active list of the same rank: *Provided*, That no such retired officer so employed on active duty shall receive, in time of peace, any greater pay and allowances than the pay and allowances which are now or may hereafter be provided by law for a lieutenant senior grade on the active list of like length of service: *And provided further*, That any such officer whose retired pay exceeds the highest pay and allowances of the grade of lieutenant senior grade, shall, while so employed in time of peace, receive his retired pay only, in lieu of all other pay and allowances.

Useless papers,  
disposal of.

The act "to authorize and provide for the disposal of useless papers in executive departments," approved February sixteenth, eighteen hundred and eighty-nine, is hereby amended so that accumulations in the files of vessels of the Navy of papers that, in the judgment of the commander in chief of the fleet, are not needed or useful in the transaction of current business and have no permanent value or historical interest may be disposed of by

the commander in chief of the fleet by sale, after advertisement for proposals, as waste papers if practicable, or if not practicable, then otherwise, as may appear best for the interests of the Government, the commander in chief of the fleet to make report thereon to the Secretary of the Navy; provided always that no papers less than two years old from the date of the last indorsement thereon and no correspondence, or the related papers, with officers or representatives of a foreign government shall be destroyed or disposed of by such commander in chief of the fleet.

PAY, MISCELLANEOUS.

\* \* \* \* \*

That the Secretary of the Treasury be, and he is hereby, authorized and directed to pay to the several enlisted men of the Navy and Marine Corps then attached to the United States ship Georgia the respective sums of money placed by said enlisted men on deposit for safe-keeping with the pay officer of said ship as permitted by article thirteen hundred and thirty-one of the Navy Regulations, which said sums were stolen on February tenth or eleventh, nineteen hundred and eleven, by one Edward V. Lee, clerk of said pay officer; and the sum of four thousand three hundred dollars, or so much thereof as may be necessary, is hereby appropriated, out of any money in the Treasury not otherwise appropriated, to carry out the provisions of this act.

Deposits by  
enlisted men,  
(Georgia, re-  
payment of.

That the term of enlistment of all enlisted men of the United States Navy other than those who are enlisted during minority shall be four years.

Enlistment,  
terms, of.

That the term of enlistment of any enlisted man in the Navy may, by his voluntary written agreement, under such regulations as may be prescribed by the Secretary of the Navy with the approval of the President, be extended for a period of either one, two, three, or four full years from the date of expiration of the then existing four-year term of enlistment, and subsequent to said date such enlisted men as extend the term of enlistment as authorized in this section shall be entitled to and shall receive the same pay and allowances in all respects as though regularly discharged and reenlisted immediately upon expiration of their term of enlistment, and such extension shall not operate to deprive them upon discharge at the termination thereof of any right, privilege, or benefit to which they would be entitled at the expiration of a four-year term of enlistment.

That section fifteen hundred and seventy-three of the Revised Statutes of the United States as amended by section sixteen of an act entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," approved



Pay of en-  
listed men  
upon reenlist-  
ment.

March third, eighteen hundred and ninety-nine, be, and the same is hereby, amended to read as follows: "If any enlisted man or apprentice, being honorably discharged, shall reenlist for four years within four months thereafter, he shall, on presenting his honorable discharge or on accounting in a satisfactory manner for its loss, be entitled to a gratuity of four months' pay equal in amount to that which he would have received if he had been employed in actual service: *Provided*, That any enlisted man in the Navy whose term of enlistment has been extended for an aggregate of four years shall, after the expiration of the preceding four-year term of enlistment upon which the extension is made and if otherwise entitled to an honorable discharge, be paid the gratuity above provided: *And provided*, That any man who has received an honorable discharge from his last term of enlistment, or who has received a recommendation for reenlistment upon the expiration of his last term of enlistment, who reenlists for a term of four years within four months from the date of his discharge, shall receive an increase of one dollar and thirty-six cents per month to the pay prescribed for the rating in which he serves for each successive reenlistment: *And provided further*, That an extension of the period of enlistment as hereinbefore authorized, aggregating four years, shall be held and considered as equivalent to continuous service with respect to all rights, privileges, and benefits granted for such service pursuant to law."

Enlisted  
men, discharge  
of.

That under such regulations as the Secretary of the Navy may prescribe, with the approval of the President, any enlisted man may be discharged at any time within three months before the expiration of his term of enlistment or extended enlistment without prejudice to any right, privilege, or benefit that he would have received, except pay and allowances for the unexpired period not served, or to which he would thereafter become entitled, had he served his full term of enlistment or extended enlistment: *Provided*, That nothing in this act shall be held to reduce or increase the pay and allowances of enlisted men of the Navy now authorized pursuant to law.

\* \* \* \* \*

#### CARE OF LEPERS, ISLAND OF GUAM: \* \* \*.

Lepers, care  
of.

It is "*Provided*, That the Secretary of the Navy is authorized to transfer all the lepers of Guam now segregated, and other cases that may later appear, to the island of Culion, in the Philippines, and to pay the cost of their transfer and maintenance from this appropriation."

#### BUREAU OF NAVIGATION.

\* \* \* \* \*

Advertising  
agency, employ-  
ment of.

It is "*Provided*, That authority is hereby granted to employ the services of an advertising agency in advertis-

ing for recruits under such terms and conditions as are most advantageous to the Government."

\* \* \* \* \*

All moneys belonging to a deceased inmate of the Naval Home or derived from the sale of his personal effects, and which are not claimed by his next of kin, shall be deposited in the Treasury by the governor of the home, as agent, and if any sum so deposited has been or shall hereafter be unclaimed for a period of five years from the death of such inmate it shall be covered into the Treasury as miscellaneous receipts: *Provided*, That the governor of the Naval Home is hereby authorized and directed, under such regulations as may be prescribed by the Secretary of the Navy, to make diligent inquiry in every instance after the death of an inmate to ascertain the whereabouts of his next of kin: *And provided further*, That claims may be presented hereunder at any time, and when supported by competent proof in any case more than five years after the death of an inmate shall be certified to Congress for consideration.

Naval Home, money and personal effects of inmates of.

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: \* \* \* *Provided*, That the Secretary of the Navy is hereby authorized to make emergency purchases of war material abroad: *And provided further*, That when such purchases are made abroad, this material shall be admitted free of duty.

\* \* \* \* \*

Emergency purchases of war material abroad. Duty free.

The Secretary of the Navy is hereby authorized to exchange such quantities of potassium nitrate now in store as may not be needed in the manufacture of black powder for sodium nitrate of equal value for use in the manufacture of smokeless powder.

Smokeless powder, material for, to be exchanged.

FOR NAVAL GUN FACTORY, WASHINGTON, DISTRICT OF COLUMBIA: \* \* \* .

Gun factory.

Machinery, cupolas, furnaces, and foundry equipment for new foundry, one hundred thousand dollars.

NEW BATTERIES FOR SHIPS OF THE NAVY: \* \* \* .

New batteries.

For modifying or renewing breech mechanisms of three-inch, four-inch, five-inch, and six-inch guns, one hundred and twenty-five thousand dollars.

\* \* \* \* \*

For lining and hooping to the muzzle eight-inch forty-caliber, Mark V guns, sixty thousand dollars.

For liners for eroded guns, one hundred and twenty-five thousand dollars.

For modifying five-inch fifty-caliber Mark V guns, seventy-five thousand dollars.

\* \* \* \* \*

Modernizing turrets of ships of the Navy: For equipments for turret ammunition hoists and rammers to increase the rapidity, safety, and reliability of the ammunition.

Modernizing turrets.

tion supply and to increase the efficiency and rapidity of loading the guns of all turret vessels authorized previous to the Michigan class, but excluding the Amphitrite, Miantonomoh, Puritan, and Terror, two hundred and fifty thousand dollars.

Modernizing  
projectiles.

\* \* \* \* \*

MODERNIZING PROJECTILES: For rebanding projectiles and fitting long points, and other changes as required, three hundred thousand dollars.

Unobligated  
balances of ap-  
propriations re-  
appropriated.

\* \* \* \* \*

That the balances of appropriations unobligated on January eleventh, nineteen hundred and twelve, made for the naval service under the headings "Ammunition for ships of the Navy," "Fire control instruments for ships of the Navy," "Small arms and machine guns," "Torpedoes and appliances," "Experiments, Bureau of Ordnance," "New batteries for ships of the Navy," "Arming and equipping the Naval Militia," "Modernizing projectiles," "Modernizing turrets of ships of the Navy," "Naval Gun Factory, Washington, District of Columbia," and "Battle compasses," are hereby reappropriated and shall be available for obligation until the close of the fiscal year ending June thirtieth, nineteen hundred and thirteen.

#### BUREAU OF EQUIPMENT.

Sites for  
radio stations.

EQUIPMENT OF VESSELS: \* \* \* *Provided* \* \* \*, That the sum to be paid out of this appropriation for the purchase of land for sites for radio shore stations shall not exceed fifty thousand dollars: *Provided further*, That the total expenditures under this appropriation at the naval radio laboratory shall not exceed five thousand dollars.

Arlington,  
Va.

The following-described part of the Government land in Alexandria County, State of Virginia, known as the Arlington estate, is hereby transferred to, and placed under the control and jurisdiction of, the Navy Department for use for naval purposes: Beginning with the stone monument at the southwestern corner of the Arlington Military Reservation, Virginia, and extending thence north four degrees five minutes west six hundred and thirty-three and thirty-four one-hundredths feet to a stake; thence south eighty-nine degrees five minutes east one thousand one hundred and ten and twenty-three one-hundredths feet to a stake; thence south ten degrees forty-four minutes east four hundred and four and eighty-nine one-hundredths feet to a stone in the southern boundary of said reservation; thence south seventy-nine degrees sixteen minutes west one thousand one hundred and sixty and seven-tenths feet to the place of beginning, containing thirteen and four-tenths acres more or less. All bearings refer to the magnetic north.



For the purchase of battle compasses for ships of the Navy heretofore completed, one hundred and twenty thousand dollars.

\* \* \* \* \*

DEPOTS FOR COAL: \* \* \*.

It is provided "that seventy-five thousand dollars \* \* \*, or so much thereof as may be necessary, may be used for the survey and investigation by experimental test of coal in Alaska for use on board ships of the United States Navy and for report upon coal and coal fields available for the production of coal for the use of the ships of the United States Navy or any vessel of the United States, and three hundred and forty-five thousand dollars \* \* \*, or so much thereof as may be necessary shall be used for the coaling station and fuel station at Pearl Harbor, Hawaii."

Coal in Alaska, tests of.

Coaling station, Pearl Harbor.

\* \* \* \* \*

OCEAN AND LAKE SURVEYS: \* \* \*.

Provides "toward the purchase and preparation of necessary sites, purchase and erection of towers and buildings, and the purchase and installation of machinery and apparatus of high-power radio stations (cost not to exceed one million dollars), to be located as follows: One in the Isthmian Canal Zone, one on the California coast, one in the Hawaiian Islands, one in American Samoa, one on the island of Guam, and one in the Philippine Islands four hundred thousand dollars, to be available until expended."

Radio stations, high-power.

\* \* \* \* \*

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY YARD, PORTSMOUTH, NEW HAMPSHIRE: Crane track and railroad extension, twenty thousand dollars; tool house for naval prison, two thousand dollars; quarters for commanding officer, naval prison, twelve thousand dollars; improvement and additions to power plant, ten thousand dollars; in all, forty-four thousand dollars.

Portsmouth.

The sum of fifty thousand dollars appropriated by the naval act approved March third, nineteen hundred and nine, for foundry building (to cost two hundred and fifty thousand dollars) is hereby reappropriated and made available for the extension and improvement of the existing foundry.

NAVY YARD, BOSTON, MASSACHUSETTS: Toward one hundred and fifty ton floating crane (cost not to exceed three hundred and twenty-five thousand dollars), one hundred and fifty thousand dollars; paving, ten thousand dollars; electrical system, extension, five thousand dollars; reconstruction building numbered twenty-four, sixty-five thousand dollars; railroad system, extension, ten thousand dollars; in all, navy yard, Boston, two hundred and forty thousand dollars.

Boston.

- New York. NAVY YARD, NEW YORK, NEW YORK: One fifty-ton locomotive crane, fifty thousand dollars; paving and grading, fifteen thousand dollars; yard railroad, extension, ten thousand dollars; dredging, fifty thousand dollars; in all, navy yard, New York, New York, one hundred and twenty-five thousand dollars.
- Philadelphia. NAVY YARD, PHILADELPHIA, PENNSYLVANIA: Sanitation system, reserve basin, to complete, forty-five thousand dollars; Pier Numbered Five, to extend, seventy-five thousand dollars; water-closets and laundry, ten thousand dollars; in all, navy yard, Philadelphia, one hundred and thirty thousand dollars.
- Washington. NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: New foundry (cost not to exceed two hundred thousand dollars), to complete, one hundred thousand dollars; water-front improvements, fifty thousand dollars; renewal of floors in gun shops and other buildings, twenty-five thousand dollars; electric plant, extensions, twenty-one thousand dollars; storage for power vehicles, four thousand dollars; in all, two hundred thousand dollars.
- Norfolk. NAVY YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, five thousand dollars; electric plant, extensions, twenty thousand dollars; repairs, buildings, Saint Helena, twenty-five thousand dollars; improvements to water front, fifty thousand dollars; paving and grading, ten thousand dollars; heating system, extension, fifteen thousand dollars; water-closets and lavatories for ships in dock, fifteen thousand dollars; incinerator, Saint Helena, five thousand dollars; in all, navy yard, Norfolk, Virginia, one hundred and forty-five thousand dollars.
- Charleston. NAVY YARD, CHARLESTON, SOUTH CAROLINA: Paving and grading, to continue, five thousand dollars; railroad system, extensions and improvements, five thousand dollars; conduit system extension, five thousand dollars; bathroom and lavatories for enlisted men, four thousand dollars; storehouse for oil, twenty thousand dollars; in all, thirty-nine thousand dollars.
- Key West. NAVAL STATION, KEY WEST, FLORIDA: Power plant, twenty-five thousand dollars; grading and paving, five thousand dollars; paving and grading on Whitehead, Front, and Green Streets where abutting on naval station, five thousand five hundred dollars, or so much thereof as may be necessary: *Provided, however*, That the cost of the United States Government's share for paving and grading said streets shall not exceed one-fourth of the total cost thereof; in all, thirty-five thousand five hundred dollars.

The unexpended balance of the appropriation made in the naval Act approved March second, nineteen hundred and seven, "For construction of two officers' quarters, navy yard, Pensacola, Florida, ten thousand dollars," and the naval act approved May thirteenth, nineteen hundred and eight, "To complete officers' quarters, marine bar-

racks, navy yard, Pensacola, Florida, five thousand dollars," is hereby reappropriated and made available for the erection of officers' quarters and improving grounds at the naval station, Key West, Florida.

NAVY YARD, MARE ISLAND, CALIFORNIA: Grading and paving, fifteen thousand dollars; railway system, extensions, ten thousand dollars; repairs to buildings numbered one hundred and six and one hundred and eighteen, forty-five thousand dollars; sewer system, extensions, ten thousand dollars; in all, eighty thousand dollars.

Mare Island.

NAVY YARD, PUGET SOUND, WASHINGTON: Railroad extension, ten thousand dollars; Pier Numbered Four, one hundred and seventy-five thousand dollars; new foundry equipment, twenty thousand dollars; electric crane, four thousand dollars; two officers' quarters, eighteen thousand dollars; in all, navy yard, Puget Sound, Washington, two hundred and twenty-seven thousand dollars.

Puget Sound.

The appropriation made by the naval Act approved June twenty-fourth, nineteen hundred and ten, for a torpedo station near the Pacific coast of the United States, is hereby reappropriated and such part as the Secretary of the Navy may deem necessary is made available for expenditure for the same purposes at the naval station, Puget Sound, Washington.

NAVAL STATION, PEARL HARBOR, HAWAII: Dry dock (limit of cost is hereby increased to three million four hundred and eighty-six thousand five hundred dollars), to continue, one million and fifty thousand dollars; waterfront development, one hundred thousand dollars; street paving, twenty-five thousand dollars; water system, seventeen thousand dollars; power distribution, mains and conduits, seventy-five thousand dollars; metal and lumber storehouse, twenty-five thousand dollars; paint and rigging loft, twenty-five thousand dollars; pattern shop, sixty thousand dollars; storehouses, one hundred thousand dollars; latrines, ten thousand dollars; railroad equipment, forty-five thousand dollars; floating crane, to complete, two hundred and ten thousand dollars; in all, one million seven hundred and forty-two thousand dollars.

Pearl Harbor.

For the proper control, protection, and defense of the naval station, harbor, and entrance channel at Pearl Harbor, Territory of Hawaii, the Secretary of the Navy is hereby authorized, empowered, and directed to adopt and prescribe suitable rules and regulations governing the navigation, movement, and anchorage of vessels of whatsoever character in the waters of Pearl Harbor, island of Oahu, Hawaiian Islands, and in the entrance channel to said harbor, and to take all necessary measures for the proper enforcement of such rules and regulations.

The Secretary of the Navy is authorized to purchase, from the appropriation "Naval station, Pearl Harbor, Hawaii, fresh-water system," made by the act of March



fourth, nineteen hundred and eleven, one acre, more or less, of land in the island of Oahu, Territory of Hawaii, for the location of wells for supplying fresh water to the Naval Station, Pearl Harbor, Hawaii, at a cost not exceeding one thousand five hundred dollars, and to acquire a right of way for a pipe line from such wells to the naval station.

Naval Academy.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: For removing overhead wires, providing underground conduits, sixty thousand dollars; reenforced concrete bridge across Dorsey Creek (to cost fifty thousand dollars), twenty-five thousand dollars; in all, eighty-five thousand dollars.

The appropriation of twenty-five thousand dollars, made by the act approved March fourth, nineteen hundred and eleven, entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and twelve, and for other purposes," for a new drawbridge across Dorsey Creek, is hereby reappropriated and made available for the reenforced concrete bridge herein authorized.

Buildings, naval training stations.

Rhode Island.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Repairs to barracks "B" and "C," ten thousand dollars; underground conduit and lighting system, to extend, five thousand dollars; in all, fifteen thousand dollars.

California.

NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: Buildings in connection with dispensary, one thousand five hundred dollars.

Naval Observatory.

NAVAL OBSERVATORY: For cleaning, repair, and upkeep of grounds and roads, five thousand dollars.

Nautical Almanac, exchange of data for.

The Secretary of the Navy is hereby authorized to arrange for the exchange of data with such foreign almanac offices as he may from time to time deem desirable with a view to reducing the amount of duplication of work in preparing the different national nautical and astronomical almanacs and increasing the total data which may be of use to navigators and astronomers available for publication in the American Ephemeris and Nautical Almanac: *Provided*, That any such arrangement shall be terminable on one year's notice: *Provided further*, That the work of the Nautical Almanac Office during the continuance of any such arrangement shall be conducted so that in case of emergency the entire portion of the work intended for the use of navigators may be computed by the force employed by that office, and without any foreign cooperation whatsoever: *Provided further*, That any employee of the Nautical Almanac Office who may be authorized in any annual appropriation bill and whose services in whole or in part can be spared from the duty of preparing for publication the annual volumes of the American Ephemeris and Nautical Almanac may be employed by said office in the duty of improving the tables of the planets, moon, and stars, to be used in preparing for publication the annual volumes of

the office: *Provided further*, That section four hundred and thirty-five, Revised Statutes, is hereby repealed.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Repairs to wharf and coal-handling plant at powder factory, ten thousand dollars; new surveillance magazine, one thousand five hundred dollars; two dry houses for smokeless powder, seven thousand five hundred dollars; purchase of five acres (more or less) of additional land, two hundred dollars; one set of double quarters for commissioned officers, twelve thousand dollars; in all, naval proving ground, Indian Head, thirty-one thousand two hundred dollars.

Naval proving ground.

Naval magazine, Fort Mifflin, Pennsylvania: Surveillance test house, two thousand dollars; magazine for explosive "D," two thousand five hundred dollars; magazine for internal detonating fuses, six hundred dollars; magazine for segregated smokeless powder, three thousand dollars; tanks to hold rain water, two thousand dollars; filling house for explosive "D," one thousand dollars; in all, eleven thousand one hundred dollars.

Naval magazines.

Fort Mifflin.

Naval magazine, New York Harbor (Iona Island): Two magazine buildings, including clearing, preparing grades of sites, railroad tracks, thirty thousand dollars; extension of shipping house and replanking dock, ten thousand dollars; in all, forty thousand dollars.

Iona Island.

Naval magazine, Lake Denmark, New Jersey: One locomotive house, two thousand five hundred dollars; one magazine building, including clearing, preparing, grading of site, railroad tracks, fifteen thousand dollars; water pipe mains, four thousand dollars; fire and boundary wall, five thousand dollars; in all, twenty-six thousand five hundred dollars.

Lake Denmark.

Naval magazine, Saint Juliens Creek, Virginia: Two magazine buildings, thirty thousand dollars; magazine building for storage of high explosives, one thousand five hundred dollars; two sets of quarters for magazine attendants, seven thousand dollars; in all, thirty-eight thousand five hundred dollars.

St. Juliens Creek.

Naval magazine, Mare Island, California: One magazine building, twenty thousand dollars; primer house, one thousand five hundred dollars; gunners' quarters, five thousand dollars; in all, twenty-six thousand five hundred dollars.

Mare Island.

For naval magazine, navy yard, Puget Sound, Washington: Extension of fire-protection system, one thousand dollars; quarters for inspector of ordnance, nine thousand dollars; extension of railroad system, three thousand dollars; in all, thirteen thousand dollars.

Puget Sound.

Naval torpedo station, Newport, Rhode Island: New power house, toward building (cost not to exceed sixty thousand dollars) and equipping (cost not to exceed one hundred and twenty thousand dollars), to complete one hundred and twenty thousand dollars; paving, five thou-

Newport.

sand dollars; extension of fresh-water, steam-heating, and conduit systems, ten thousand dollars; in all, one hundred and thirty-five thousand dollars.

Hingham.

Naval magazine, Hingham, Massachusetts: Improvement of channel, forty thousand dollars; one general magazine, thirteen thousand dollars; in all, fifty-three thousand dollars.

Kuahua.

Naval magazine, Kuahua, Hawii: Dock, twenty-five thousand dollars; primer house, five thousand dollars; one magazine, twenty-five thousand dollars; loaded-shell house, thirty thousand dollars; fixed-ammunition house, twenty-five thousand dollars; high-explosive house, five thousand dollars; railroad tracks and scales, ten thousand dollars; electric power installation, five thousand five hundred dollars; one gunner's quarters, seven thousand dollars; fresh-water system, ten thousand dollars; machinery and tools, five thousand dollars; in all, one hundred and fifty-two thousand five hundred dollars.

Marine barracks, Philadelphia.

Marine Barracks, Philadelphia, Pennsylvania: One additional fireproof barracks, one hundred and seventy-five thousand dollars.

Public roads.

The Secretary of the Navy is authorized, in his discretion, to grant a permanent right of way for a public road across the Marine Corps reservation in Kitsap County, Washington, in consideration of the permanent closing of the present public road across this reservation and the transferring of all right, title, and interest therein to the United States.

Rifle range.

For the purchase of the necessary land required in the development of a rifle range in the vicinity of the naval station, Bremerton, Washington, seven thousand dollars.

Bremerton.

\* \* \* \* \*

#### BUREAU OF MEDICINE AND SURGERY.

\* \* \* \* \*

Medical Reserve Corps.

That a Medical Reserve Corps, to be a constituent part of the Medical Department of the Navy, is hereby established under the same provisions, in all respects (except as may be necessary to adapt the said provisions to the Navy), as those providing a Medical Reserve Corps for the Army, and as set forth in the act to increase the efficiency of the Medical Department of the United States Army, approved April twenty-third, nineteen hundred and eight.

Assistant dental surgeons.

That the appointment of not more than thirty assistant dental surgeons be, and the same is hereby, authorized, said assistant dental surgeons to be a part of the Medical Department of the United States Navy, to serve professionally the personnel of the naval service, and to perform such other duties as may be prescribed by competent authority.



That all original appointments herein authorized shall be made by the Secretary of the Navy in the grade of acting assistant dental surgeon, and all appointees to such grade shall be citizens of the United States, between twenty-four and thirty-two years of age, and shall be graduates of standard medical or dental colleges trained in the several branches of dentistry, of good moral character, of unquestionable professional repute, and before appointment shall pass satisfactory physical and professional examinations, including tests of skill in practical dentistry, of proficiency in the several usual subjects in a standard dental college course, and in such other subjects of general education as are now or may hereafter be required for admission to the Medical Corps of the Navy.

That at the end of three years from the passage of this act all acting assistant dental surgeons who have had two or more years' service under their original appointment, as herein provided, shall undergo such physical and competitive professional examinations as the Secretary of the Navy may prescribe to determine their fitness to receive commissions in the Navy, and if found qualified they shall be appointed assistant dental surgeons, with the rank of lieutenant (junior grade), in the order of standing as determined by the professional examinations provided for in this act.

That after the competitive examinations provided for in section three of this act have been held, acting assistant dental surgeons thereafter appointed shall serve a probationary period of three years, and upon the completion of such period shall undergo such examinations as the Secretary of the Navy may prescribe to determine their fitness to receive commissions in the Navy, and, if found qualified, they shall be appointed assistant dental surgeons, with the rank of lieutenant (junior grade).

That if any acting assistant dental surgeon shall fail upon the examinations prescribed in this act he shall be honorably discharged from the naval service, and the appointment of an acting dental surgeons may be revoked at any time in the discretion of the Secretary of the Navy.

That all appointees authorized by this act shall take rank and precedence in the same manner in all respects as in the case of appointees to the Medical Corps of the Navy, and shall not exercise command over persons in the Navy other than dental surgeons and such enlisted men as may be detailed to assist them by competent authority.

That all officers of the dental corps authorized by this act shall receive the same pay and allowances as officers of corresponding rank and length of service in the Medical Corps of the Navy.

Acting assistant dental surgeons, appointment of.

Commissions of.

Probationary period.

Discharge.

Rank and precedence.

Compensation.

## Retirement.

That all officers of the dental corps authorized by this act shall be eligible to retirement in the same manner and under the same conditions as officers of the Medical Corps of the Navy: *Provided*, That section fourteen hundred and forty-five of the Revised Statutes of the United States shall not be applicable to the officers herein authorized: *And provided further*, That the dentist now employed at the Naval Academy shall not be displaced by the operation of this act and he shall have the same official status, pay, and allowances as may be provided for the senior dental surgeon at the Military Academy.

## Number.

That the Secretary of the Navy is hereby authorized to appoint, for temporary service, suitably qualified acting dental surgeons when necessary to the health and efficiency of the personnel of the Naval Service: *Provided*, That the total strength of the dental corps, including those appointed for temporary service under this act, shall not exceed the proportion of one to each thousand of the authorized enlisted strength of the Navy and Marine Corps: *Provided further*, That appointments issued under authority of this act may be revoked at any time, shall have no legal force or effect except for the time the temporary appointee is in active service, and shall include no right of retirement.

That all appointments authorized by this act, except the appointment of acting dental surgeons, shall be made by the President, by and with the advice and consent of the Senate.

Tests of  
qualifications  
of.

That all laws and parts of laws inconsistent with the provisions of this act be, and the same are hereby, repealed: *Provided*, That the tests of qualifications for appointment to the said reserve corps and to the dental corps may be varied to suit the subjects of such branch of the healing art or specialty of surgery of which specialists may be required and in the discretion of the Secretary of the Navy such specialists may be grouped separately: *Provided further*, That of the dental surgeons hereby authorized to be appointed to said Medical Reserve Corps and to the said Dental Corps, the whole number ordered to active duty shall not exceed the number the Secretary of the Navy may deem actually necessary to the health and efficiency of the personnel of the Navy and Marine Corps and, in time of peace, the number shall not exceed the proportion of one dental officer to one thousand of said personnel.

Position of  
chief pharma-  
cist estab-  
lished.

That pharmacists shall, after six years from date of warrant, be commissioned chief pharmacists after passing satisfactorily such examination as the Secretary of the Navy may prescribe, and shall, on promotion, have the rank, pay, and allowances of chief boatswains.

\* \* \* \* \*

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: \* \* \*

Provides that "the Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessels herein named, in an amount not to exceed the sum specified for each vessel, respectively, as follows: Connecticut, two hundred and fifty thousand dollars; Vermont, three hundred thousand dollars; Albany, three hundred and fifty thousand dollars; New Orleans, three hundred and fifty thousand dollars; Minneapolis, two hundred and eighty-four thousand dollars; Columbia, two hundred and ninety-two thousand dollars; Sylvia, fourteen thousand dollars; Solace, one hundred and twenty thousand dollars; Panther, one hundred thousand dollars; Piscataqua, forty-five thousand dollars; Active, thirty-eight thousand dollars; Unadilla, forty-three thousand dollars; Uncas, thirty-three thousand dollars; Penacook, twenty-three thousand dollars; Samoset, twenty-three thousand dollars; Pompey, thirty-eight thousand dollars; Yantic, thirty-eight thousand dollars; Prometheus, or Vestal, to convert to a repair ship, three hundred and fifty thousand dollars; \* \* \*."

Repair of  
vessels  
(named).

The Secretaries of War and Navy are authorized to cause to be made from any parts of the wreck of the Maine or its equipment that are suitable for the purpose tablets for donation as relics in conformity with the provisions of the Act of December twenty-second, nineteen hundred and eleven, making appropriations to supply urgent deficiencies: *Provided*, That the cost of such tablets may be charged against any unexpended balances of appropriations heretofore made for the removal of the wreck of the Maine and that the municipalities and other bodies receiving such tablets shall defray the cost thereof, which cost shall be reimbursed to the proper appropriation.

Maine, relics  
from wreck of.

IMPROVEMENT OF CONSTRUCTION PLANTS: For machine tools and appliances required for the equipment of shops, Pearl Harbor, Hawaii, two hundred thousand dollars.

Pearl Har-  
bor, improve-  
ment of con-  
struction  
plants.

BUREAU OF STEAM ENGINEERING.

STEAM MACHINERY: \* \* \* *Provided*, That the sum to be paid \* \* \* for aeroplane machinery shall not exceed twenty thousand dollars.

Aeroplane  
machinery.

\* \* \* \* \*

Machinery plant, naval station, Pearl Harbor, Hawaii: For machine tools and appliances required for the equipment of shops, three hundred thousand dollars.

Machine  
tools, Pearl  
Harbor.



## NAVAL ACADEMY.

\* \* \* \*

Walters, additional. COMMISSARY DEPARTMENT: \* \* \* *Provided*, That such additional payments from the midshipmen's commissary fund, as the Superintendent of the Naval Academy may deem necessary, may be made to the waiters herein authorized.

\* \* \* \*

CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY: \* \* \*

Periodicals. It is "*Provided*, That section thirty-six hundred and forty-eight, Revised Statutes, shall not apply to subscriptions for foreign and domestic periodicals to be paid for from this appropriation."

\* \* \* \*

## MARINE CORPS.

PAY, MARINE CORPS: \* \* \*

Gunnery sergeants, pay, etc., of. It is "*Provided*, That the gunnery sergeants of the Marine Corps shall hereafter receive the same pay, and be entitled to the allowances, rank, continuous-service pay, and retired pay of a first sergeant in said corps. \* \* \*

Fuel. FUEL, MARINE CORPS: For heat and light for the authorized allowance of quarters for officers and enlisted men, and other buildings and grounds pertaining to the Marine Corps; fuel, electricity, and oil for cooking, power, and other purposes; and sales to officers, one hundred and sixty-four thousand dollars. But in purchasing such articles preference shall be given to those produced in the United States but which can be procured at the same price and quality.

\* \* \* \*

Transportation. TRANSPORTATION AND RECRUITING, MARINE CORPS: For transportation of troops, and of applicants for enlistment between recruiting stations and recruit depots or posts, \* \* \*

Enlisted men employed in making repairs, per diem to. REPAIRS OF BARRACKS, MARINE CORPS: \* \* \* For per diem to enlisted men employed under the direction of the Quartermaster's Department on the repair of barracks, quarters, and other public buildings on constant labor for periods of not less than ten days, \* \* \*.

CONTINGENT, MARINE CORPS: \* \* \*

Disallowances, removal of for Col. T. C. Prince and Maj. W. B. Lemly. Provides "that the accounting officers of the Treasury are hereby authorized and directed to remove the following-mentioned disallowances on the accounts of the disbursing assistant quartermasters, United States Marine Corps, namely, on account of voucher numbered twenty-four hundred and fifty-nine, in the account of Lieutenant Colonel T. C. Prince, assistant quartermaster, United States Marine Corps, retired, second quarter, nineteen

hundred and ten, in favor of A. Buchanan, eighty-four dollars; on account of vouchers numbered two and nine, in the account of Major W. B. Lemly, assistant quartermaster, United States Marine Corps, second quarter, nineteen hundred and eleven, in favor of Simons-Mayrant Company, one thousand and seventy dollars; on account of voucher numbered two thousand and sixty-eight, third quarter, nineteen hundred and eleven, in favor of James Marcello, one hundred and fifteen dollars; on account of voucher numbered thirty-one hundred and ninety, fourth quarter, nineteen hundred and eleven, in favor of James Marcello, two hundred and forty dollars."

\* \* \* \* \*

# INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval Establishment of the United States the President is hereby authorized to have constructed the following vessels:

That for the purpose of further increasing the Naval Establishment of the United States the President is hereby authorized to have constructed one first-class battleship, carrying as heavy armor and as powerful armament as any vessel of its class, to have the highest practicable speed and greatest desirable radius of action, and to cost, exclusive of armor and armament, not to exceed seven million four hundred and twenty-five thousand dollars.

Two fuel ships to cost, exclusive of armor and armament, not to exceed one million one hundred and forty thousand dollars each, and which shall be built in navy yards, one to be built in a navy yard on the Pacific coast.

Six torpedo-boat destroyers, to have the highest practicable speed, to cost, exclusive of armor and armament, not to exceed nine hundred and forty thousand dollars each.

One tender to destroyers to cost, exclusive of armor and armament, not to exceed one million three hundred and fifteen thousand dollars.

Eight submarine torpedo boats in an amount not exceeding in the aggregate four million four hundred and eighty thousand dollars; and the sum of one million six hundred thousand dollars is hereby appropriated for said purpose, and the Secretary of the Navy is directed to consider the advisability of stationing four of said submarine torpedo boats at or near the mouth of the Mississippi River and the United States seaports of the Gulf of Mexico as a proper naval defense thereof and the other four upon the Pacific coast.

One submarine tender, to cost not to exceed one million dollars, and the sum of four hundred thousand dollars is hereby appropriated toward said purpose.

The Secretary of the Navy may build any or all of the vessels authorized in this act in such navy yards as he may designate, and shall build any of the vessels herein authorized in such navy yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement, or understanding, the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

One river  
gunboat.

The appropriation made by the act of May fourth, eighteen hundred and ninety-eight, for one gunboat to be built on the Great Lakes and to take the place of the United States ship Michigan (now Wolverine) is hereby made available for the construction of a river gunboat, which may, as advantage may offer, be built elsewhere than on the Great Lakes or their connecting waters.

Construction  
and machinery.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, nine million four hundred and forty-six thousand two hundred and five dollars.

Torpedo  
boats.

INCREASE OF THE NAVY; TORPEDO BOATS: On account of submarine torpedo boats heretofore authorized, nine hundred and twenty-one thousand six hundred and forty-seven dollars.

Colliers.

INCREASE OF THE NAVY; COLLIERIES: On account of two fleet colliers heretofore authorized, five hundred and eighty-one thousand three hundred and twenty-one dollars and forty-eight cents.

Equipment.

INCREASE OF THE NAVY; EQUIPMENT: Toward the completion of equipment outfit of the vessels heretofore and herein authorized, three hundred and fifty-five thousand dollars.

Armor and  
armament.

INCREASE OF THE NAVY; ARMOR AND ARMAMENT: Toward the armor and armament for vessels heretofore and herein authorized, seven million two hundred and sixty-five thousand two hundred dollars.

Total increase of the Navy heretofore and herein authorized, twenty million five hundred and sixty-nine thousand three hundred and seventy-three dollars and forty-eight cents.

Hours of la-  
bor, limitation  
in.

The act entitled "An act limiting the hours of daily service of laborers and mechanics employed upon work done for the United States, or for any Territory or for the District of Columbia, and for other purposes," approved June nineteenth, nineteen hundred and twelve, shall be in force as to all contracts authorized by this act from and after the passage of this act.

Enlisted men  
in making re-  
pairs, duties  
of, limitation  
in.

No enlisted men or seamen, not including commissioned and warrant officers, on battleships of the Navy, when such battleships are docked or laid up at any navy



yard for repairs, shall be ordered or required to perform any duties except such as are or may be performed by the crew while at sea or in a foreign port.

That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament, or machinery from any persons, firms, or corporations who have combined or conspired to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the States and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates, or machinery shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

Combina-  
tion, to mo-  
nopolize inter-  
state trade,  
prohibition  
against.

That no part of any sum herein appropriated under "Increase of the Navy" shall be used for the payment of any clerical, drafting, inspection, or messenger service or for the pay of any of the other classified force under the various bureaus of the Navy Department, Washington, District of Columbia.

Classified  
employees in  
bureaus not to  
be paid from  
"Increase" of  
the Navy."

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington, District of Columbia, unless specific authority is given by law for such expenditure.

Expense of  
Navy Depart-  
ment, no part  
of to be paid  
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propriated by  
this act.

Approved, August 22, 1912.

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THE HISTORY OF THE

SIXTY-SECOND CONGRESS, THIRD SESSION—MARCH 4, 1913.

[PUBLIC—No. 433.]

[H. R. 28812.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and fourteen, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

Is added an item for “not exceeding ten clerks to accounting officers at yards and stations; dental surgeon at Naval Academy: *Provided*, That the President is hereby authorized, by and with the advice and consent of the Senate, to appoint the dentist now at the United States Naval Academy a dental surgeon in the Navy for duty at the United States Naval Academy, to have the corresponding rank, pay, and allowances as the senior dental surgeon now at the United States Military Academy: *And provided further*, That he shall not be eligible for retirement before he has reached the age of seventy years except for physical disability incurred in the line of duty; \* \* \*.”

Dental surgeon, Naval Academy.

Hereafter the service of a midshipman at the United States Naval Academy, or that of a cadet at the United States Military Academy, who may hereafter be appointed to the United States Naval Academy, or to the United States Military Academy, shall not be counted in computing for any purpose the length of service of any officer in the Navy or in the Marine Corps.

Midshipman, time as, not to be counted as officer service.

That so much of an act entitled “An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps,” approved March third, eighteen hundred and ninety-nine, which reads as follows: “and that all officers, including warrant officers, who have been or may be appointed to the Navy from civil life shall, on the date of appointment, be credited for computing their pay, with five years’ service,” shall not apply to any person entering the Navy from and after the passage of this act: *Provided*, That section fourteen hundred and eighty-six of the Revised Statutes shall not apply in the case of officers who enter the Navy after the passage of this act and all such officers shall take precedence when of the same grade according to their respective dates of commission in that grade.

Constructive service, abolition of.



Aviation  
duty, addi-  
tional pay for.

That from and after the passage and approval of this act the pay and allowances that are now or may be hereafter fixed by law for officers of the Navy and Marine Corps shall be increased thirty-five per centum for such officers as are now or may hereafter be detailed by the Secretary of the Navy on aviation duty: *Provided*, That this increase of pay and allowances shall be given to such officers only as are actual flyers of heavier-than-air craft, and while so detailed: *Provided further*, That no more than thirty officers of the Navy and Marine Corps shall be detailed to aviation service: *Provided further*, That no officer above the rank of lieutenant commander in the Navy or major in the Marine Corps shall be detailed for actual flying: *Provided further*, That nothing in this provision shall be construed to increase the total number of officers now in the Navy or Marine Corps.

Subsistence,  
commutation  
of, Nurse  
Corps.

That the accounting officers of the Treasury are hereby authorized and directed to allow in the accounts of disbursing officers of the Navy all payments heretofore made by them in accordance with orders or regulations of the Secretary of the Navy for commutation of subsistence to members of the Nurse Corps of the Navy at the rate therein specified.

Officers, pay  
on promotion.

That all officers of the Navy who, since the third day of March, eighteen hundred and ninety-nine, have been advanced or may hereafter be advanced in grade or rank pursuant to law shall be allowed the pay and allowances of the higher grade or rank from the dates stated in their commissions.

#### PAY, MISCELLANEOUS.

\* \* \* \*

Employees  
on leave, not  
to be paid ex-  
tra.

It is "*Provided*, \* \* \* That employees while taking their leaves of absence shall not receive compensation for services rendered during the period of such leave of absence in addition to leave pay.

Paymaster  
John W. Morse,  
credit for  
funds stolen  
from.

That the Secretary of the Treasury be, and he is hereby, authorized and directed to credit in the accounts of Paymaster John W. Morse, United States Navy, the sum of \$17,838.28, being the amount stolen from United States funds by Pay Clerk Edward V. Lee, United States Navy, and charged against the accounts of the said John W. Morse, paymaster, on the books of the Treasury Department.

Pay Director  
John N. Speel,  
credit for  
funds advanced  
by.

The Auditor for the Navy Department is hereby authorized and directed to credit to the account of Pay Director John N. Speel, United States Navy, the sum of \$263.54, now standing charged against him on the books of the Treasury Department, on account of an advance made by him to Paymaster's Clerk Edward V. Lee, United States Navy, who deserted from the service before the amount could be deducted from his salary.

\* \* \* \*

## BUREAU OF ORDNANCE.

## ORDNANCE AND ORDNANCE STORES: \* \* \*

It is "*Provided*, That this restriction [regarding proposals] shall not apply to purchases of shells or projectiles of an experimental nature or to be used for experimental purposes and paid for from the appropriation 'Experiments, Bureau of Ordnance': \* \* \*."

Experimental shell.

For "Purchase and manufacture of smokeless powder, \$1,150,000: *Provided*, That no part of any money appropriated by this act shall be expended for the purchase of powder other than small-arms powder at a price in excess of 53 cents a pound: *Provided further*, That in expenditures of this appropriation, or any part thereof, for powder, no powder shall at any time be purchased unless the powder factory at Indian Head, Maryland, shall be operated on a basis of not less than its full maximum capacity."

Smokeless powder.

\* \* \* \* \*

## BUREAU OF EQUIPMENT.

\* \* \* \* \*

Section fifteen hundred and fifty-two of the Revised Statutes of the United States, authorizing the Secretary of the Navy to establish, at such places as he may deem necessary, suitable depots for coal and other fuel for the supply of steamships of war, is hereby repealed.

Fuel depots, section 1552, R. S., repealed.

DEPOTS FOR COAL AND OTHER FUEL: To complete coal- ing plant at Pearl Harbor, Hawaii, \$306,250; heater coils in fuel oil tanks, \$43,500; additional fuel oil tank at Pearl Harbor, Hawaii, \$30,000; fuel oil tank at Boston, Massachusetts, \$57,700; contingent for repairs and additions to existing depots for coal and other fuel, \$62,550; in all, \$500,000, to be available until expended.

Fuel depots: Pearl Harbor.

Boston.

\* \* \* \* \*

## PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY YARD, PORTSMOUTH, NEW HAMPSHIRE: Fitting up room for storage of cranes, \$9,000; garbage crematory, \$6,000; central administration building, \$20,000; in all, \$35,000.

Portsmouth.

NAVY YARD, BOSTON, MASSACHUSETTS: Paving, to continue, \$15,000; electrical system, extension, \$5,000; railroad system, extension and equipment, \$10,000; fireproofing of pattern shop, \$22,000; remodeling building numbered forty, \$12,000; remodeling building numbered seventy-seven for boat storage, \$15,000; power-plant improvements, \$3,900; dredging, to continue, \$10,000; sewers and drains, \$3,600; moving boiler shop from building numbered forty-two to building numbered one hundred and six, including necessary modifications in

Boston.

buildings, \$25,000; additional oil storage, \$5,000; extension to yard dispensary, \$2,800; in all, navy yard, Boston, \$129,300.

New York. NAVY YARD, NEW YORK, NEW YORK: Paving and grading, to continue, \$15,000; yard railroad, extension and equipment, \$25,000; dredging, to continue, \$100,000, to be immediately available; improvement of water front, to continue, \$100,000; raising freeboard of floating crane Hercules, \$30,000; in all, navy yard, New York, New York, \$270,000.

Philadelphia. NAVY YARD, PHILADELPHIA, PENNSYLVANIA: To complete rebuilding building numbered seven, for central offices, \$50,000; electric system, extensions, \$15,000; seawall protection, \$12,000; water system, extensions, \$15,000; sewer system, extensions, \$5,000; gasoline storage plant, \$10,000; paving, to continue, \$10,000; railroad system, extensions and equipment, \$5,000; quay wall and piers, \$50,000; dredging, to continue, \$40,000; runway for crane, building numbered ten, \$10,000; in all, navy yard, Philadelphia, \$222,000.

Washington. NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: Water-front improvements, to complete, \$35,000; paving, to continue, \$2,500; sewerage, to extend, \$5,000; railroad, extension, \$2,500; heavy gun scales, \$8,000; in all, \$53,000.

Norfolk. NAVY YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, \$10,000; repairs, buildings, Saint Helena, \$25,000; improvements to water front, to continue, \$50,000; paving and grading, to continue, \$10,000; heating system, extension, \$5,000; one hundred and fifty ton crane (limit of cost not exceeding \$300,000), \$100,000; dredging, to continue, \$40,000; water system, extensions, \$7,500; sewer system, extension, \$5,000; lavatories and toilet facilities, \$5,000; compressed-air system, extensions, \$5,000; in all, navy yard, Norfolk, Virginia, \$262,500.

Charleston. NAVY YARD, CHARLESTON, SOUTH CAROLINA: Paving and grading, to continue, \$1,000; locomotive and crane shed, \$5,000; remodeling dispensary, building numbered nineteen, \$3,000; toward torpedo boat berths (to cost not exceeding \$300,000), \$150,000; in all, \$159,000.

Mare Island. NAVY YARD, MARE ISLAND, CALIFORNIA: Grading and paving, \$10,000; railway system, extensions, \$5,000; salt-water flushing and fire-protection system, \$25,000; reconstructing quay wall, \$20,000; modernizing electric-power and light-distributing systems, \$20,000; in all, \$80,000.

Puget Sound. NAVY YARD, PUGET SOUND, WASHINGTON: Toward ship fitters' shop, mold loft, and structural steel storage, \$120,000; power-plant extensions, \$50,000; Pier Numbered Eight, to extend, \$10,000; paving and walks, \$10,000; linseed-oil storage tanks, \$4,000; sewer system, extensions, \$30,000; telephone system, extensions and renewals, \$2,000; heating system, extensions and renewals, \$10,000; rebuilding Pier Numbered One, \$10,000; in all,



navy yard, Puget Sound, Washington, \$246,000: *Provided*, That the ship fitters' shop, mold loft, and structural steel storage, shall not exceed in cost the sum of \$275,000.

NAVAL STATION, NARRAGANSETT BAY, RHODE ISLAND: *Narragansett Bay.*  
For purchase of land for extension of landing facilities, \$40,000.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: *Olongapo.*  
Steel pontoons for approach to the floating dry dock Dewey, \$30,000.

NAVAL STATION, PEARL HARBOR, HAWAII: *Pearl Harbor.*  
Water-front development, \$100,000; water system, \$30,000; power distribution, mains and conduits, \$65,000; railroad equipment, \$30,000; boat landings, \$5,000; two officers' quarters, \$24,000; torpedo-boat slips, \$50,000; ice plant and refrigerating system, \$25,000; one dry-dock crane, \$100,000; marine railway, \$100,000; naval hospital, to continue, \$100,000; in all, \$629,000.

NAVAL STATION, GUAM: *Guam.*  
Water system extension, \$25,000.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: *Naval Academy.*  
Toward the construction of wharf and approach, \$50,000, and the cost of the same shall not exceed \$125,000.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: *Naval training stations.*  
Repairs to barracks "A," "B," and "C," \$6,000; power plant and distributing systems, extension, \$10,000; improvement to water front, to continue, and ferry slip, \$10,000; in all, \$26,000.

NAVAL TRAINING STATION, CALIFORNIA: *Water pipe,*  
\$10,000.

NAVAL OBSERVATORY: *Naval Observatory.*  
For cleaning, repair, and upkeep of grounds and roads, \$5,000.

NAVAL PROVING GROUND, INDIANHEAD, MARYLAND: *Naval proving ground.*  
Addition to facilities, \$29,000; storehouse for nitrate of soda, \$15,000; in all, naval proving ground, Indianhead, \$44,000.

Naval Coal depot, Melville Station, Rhode Island: *Coal depot, Melville Station, improvements.*  
Extension of wharf, \$10,000; sea wall, \$10,000; quarters for machinist, \$5,000; paint and oil house, \$1,000; in all, \$26,000.

Naval magazine, New York Harbor (Iona Island): *Naval magazines, Iona Island.*  
Lunch room and lockers, \$2,000; blacksmith shop, \$2,500; quarters for gunner, \$6,000; in all, \$10,500.

Naval magazine, Fort Lafayette, New York: *Fort Lafayette.*  
Extension of wharf, \$6,000; auxiliary pump house for fire protection, \$1,000; dredging channel, \$15,000; in all, \$22,000.

Naval magazine, Lake Denmark, New Jersey: *Lake Denmark.*  
Fire and boundary wall to complete, \$2,500; pump house, \$1,000; in all, \$3,500.

Naval magazine, Saint Juliens Creek, Virginia: *St. Juliens Creek.*  
Wharf and approaches, \$40,000; fire-protection system, extensions, \$2,500; railroad system, extensions, \$4,000; in all, \$46,500.

Engineering experiment station, Annapolis.	Engineering experiment station, Annapolis, Maryland: Concrete sea wall, \$50,000.
Naval magazines, Mare Island.	Naval magazine, Mare Island, California: One magazine building, \$15,000; two filling houses, \$2,400; extension of sea wall, \$2,500; in all, \$19,900.
Puget Sound.	For naval magazine, navy yard, Puget Sound, Washington: One building for storehouse, \$15,000; clearing and grading ground, \$3,000; quay wall, \$15,000; one filling house, \$1,500; one set of quarters for gunner, \$6,000; in all, \$40,500.
Torpedo stations, Newport.	Naval torpedo station, Newport, Rhode Island: Wharf and railroad, Rose Island, \$20,000; improvement water front, \$10,000; in all, \$30,000.
Naval magazine, Hingham.	Naval magazine, Hingham, Massachusetts: Magazine for smokeless powder, with railroad approach and extended fire main, \$16,555; railroad track to filling house, \$1,890; one detonator house, \$1,250; one gun-cotton house, \$1,250; one filling house, \$1,500; in all, \$22,445.
Olongapo.	Naval magazine, Olongapo, Philippine Islands: Two sets of quarters, chemist and subinspector, \$6,000; extension magazine, \$1,300; filling house, \$4,000; renewal of dock, \$4,000; in all, \$15,300.
Kuahua.	Naval magazine, Kuahua, Hawaii: Two magazines, \$50,000; railroad tracks and scales, \$15,000; one gunners' quarters, \$7,000; machinery and tools, \$20,000; one shipping house, \$60,000; building for torpedoes and mines, \$50,000; two filling houses, \$16,000; one segregation house, \$10,000; one bombproof, \$1,500; one unfusing roof, \$500; building for marine guard, \$2,500; compressed air locomotive plant, \$18,000; in all, \$250,500.
Marine barracks, improvements, Boston.	Marine barracks, Boston, Massachusetts: Barracks, \$100,000; officers' quarters, \$48,000; in all, \$148,000.
Philadelphia.	Marine barracks, Philadelphia, Pennsylvania: Central heating plant for Marine Corps establishment, \$35,000; roads, walks, sewers, and distributing systems, extensions, \$15,000; in all, \$50,000.
Puget Sound.	Marine barracks, Puget Sound, Washington: One set bachelor quarters, for eight officers, \$35,000.
Pearl Harbor.	Marine barracks, Pearl Harbor, Hawaii: One set double quarters for officers, \$18,000; quartermaster's storehouse, \$25,000; post exchange, gymnasium, \$20,000; in all, \$63,000.
Isthmus of Panama.	Marine barracks, Isthmus of Panama: Erection of barracks, quarters, and other buildings for accommodation of marines, \$400,000.
	* * * *

## BUREAU OF MEDICINE AND SURGERY.

\* \* \* \*

Section four thousand eight hundred and ten of the Revised Statutes of the United States is hereby amended so as to read as follows:

"SEC. 4810. The Secretary of the Navy shall procure at suitable places proper sites for Navy hospitals, and if the necessary buildings are not procured with the site, shall cause such to be erected, having due regard to economy, and giving preference to such plans as with most convenience and least cost will admit of subsequent additions, when the funds permit and circumstances require; and shall provide, at one of the establishments, a permanent asylum for disabled and decrepit Navy officers, seamen, and marines: *Provided*, That hereafter no sites shall be procured or hospital buildings erected or extensions to existing hospitals made unless hereafter authorized by Congress: *Provided*, That the sum of \$70,000 is appropriated, to be paid out of any money in the Treasury not otherwise appropriated, for the building of a new power plant at the Naval Hospital, Chelsea, Massachusetts, said sum of money to be paid into the Treasury from the proceeds of sale of land authorized by the naval Act of June twenty-ninth, nineteen hundred and six."

Naval hospitals, sites for.

Chelsea, power plant.

It is "*Provided*, That a Navy Dental Reserve Corps is hereby authorized to be organized and operated under the provisions of the Act approved August twenty-second, nineteen hundred and twelve, providing for the organization and operation of a Navy Medical Reserve Corps, and differing therefrom in no respect other than that the qualification requirements of the appointees shall be dental surgeons and graduates of reputable schools of medicine or dentistry instead of 'graduates of reputable schools of medicine,' and so many of said appointees may be ordered to temporary active service as the Secretary of the Navy may deem necessary to the health and efficiency of the personnel of the Navy and Marine Corps, providing the whole number of both regular corps and reserve corps dental surgeons in active service shall not exceed, in time of peace, one to each one thousand five hundred of the said personnel, and no dental surgeon shall render service other than temporary service until his appointment shall have been confirmed by the Senate: *Provided further*, That Dental Corps officers of permanent tenure shall be appointed from the Dental Reserve Corps membership in accordance with the said provisions of the said act, and all such appointees shall be citizens of the United States between twenty-two and thirty years of age, of good moral character, of unquestionable professional repute, and before appointment shall pass satisfactory physical and professional examinations, and when appointed shall take rank and precedence in the same manner in all respects as in the case of appointees to the Medical Corps of the Navy and shall receive corresponding pay and allowances and, when they reach the age of sixty-four years, be entitled to retired pay."

Dental Reserve Corps, created.

Number and qualifications of.

\* \* \* \* \*



## BUREAU OF SUPPLIES AND ACCOUNTS.

Provisions,  
contracts for  
to be made by  
individual  
items.

PROVISIONS, NAVY: \* \* \* *Provided* \* \* \*, That from and after the passage of this act all awards of contracts for provisions for the Navy shall be made by individual items; the contract for each item being awarded to the lowest responsible bidder.

Incidental  
expenses.

MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS: For fuel, books and blanks, stationery, interior fittings for general storehouses, pay offices and accounting offices in navy yards; coffee mills and repairs thereto; expenses of naval clothing factory and machinery for same; modernizing laboratory equipment and bringing same up to date; tolls, ferriages, yeomen's stores, safes, newspapers, and other incidental expenses; labor in general storehouses, paymasters' offices, and accounting offices in navy yards and naval stations, including naval stations maintained in island possessions under the control of the United States, and expenses in handling stores purchased and manufactured under general account of advances: *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for chemists and for clerical, inspection, and messenger service in the general storehouses, and paymasters' offices of the navy yards and naval stations for the fiscal year ending June thirtieth, nineteen hundred and fourteen, shall not exceed \$520,000; \* \* \*.

Naval Acad-  
emy dairy, es-  
tablishment of.

NAVAL ACADEMY DAIRY: For the purchase of the necessary land for the location of the Naval Academy dairy, at some point in the vicinity of Annapolis, Maryland, convenient for communication and for the transportation of dairy products from the location of the dairy to the Naval Academy, and for the transfer to new dairy site, and reerection thereon, of buildings belonging to the present dairy, the repair and alteration of such buildings as may be found on the land to be purchased, and for all other necessary purposes connected with the establishment of a dairy on such land, \$100,000: *Provided*, That the cost of said land shall not exceed \$75,000: *Provided further*, That the amount appropriated for this purpose shall be treated as an advance to the midshipmen's store fund at the Naval Academy, to be ultimately repaid to the United States: *And provided further*, That expenditures hereunder shall be reported by the Chief of the Bureau of Supplies and Accounts to the Secretary of the Navy in the same manner as now prescribed by law for the midshipmen's store fund.

## BUREAU OF CONSTRUCTION AND REPAIR.

Repair of  
vessels  
(named).

CONSTRUCTION AND REPAIR OF VESSELS: \* \* \* The Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various

bureaus for repairs and changes on the vessels herein named, in an amount not to exceed the sum specified for each vessel, respectively, as follows: North Dakota, \$250,000; Minnesota, \$250,000; submarine C-1, \$100,000; submarine C-2, \$100,000; submarine C-3, \$100,000; submarine C-4, \$100,000; submarine C-5, \$100,000; submarine D-1, \$100,000; submarine D-2, \$100,000; submarine D-3, \$100,000; Hannibal, \$75,000; Leonidas, \$100,000; Justin, \$50,000; Nanshan, \$75,000; Prometheus, to convert to a repair ship, \$350,000; in all, \$1,950,000, as per letter of the Secretary of the Navy dated November nineteenth, nineteen hundred and twelve: \* \* \*.

Wrecking pontoon: For construction or purchase of a testing and wrecking pontoon for submarines, to be available until expended, \$300,000. Wrecking pontoon.

IMPROVEMENT OF CONSTRUCTION PLANTS: For repairs and improvement of machinery and implements at plant at navy yard, Portsmouth, New Hampshire, \$10,000. Construction plants. Portsmouth.

For repairs and improvement of machinery and implements at plant at navy yard, Boston, Massachusetts, \$20,000. Boston.

For repairs and improvement of machinery and implements at plant at navy yard, New York, New York, \$20,000. New York.

For repairs and improvement of machinery and implements at plant at navy yard, Philadelphia, Pennsylvania, \$15,000. Philadelphia.

For repairs and improvement of machinery and implements at plant at navy yard, Norfolk, Virginia, \$15,000. Norfolk.

For repairs and improvement of machinery and implements at plant at navy yard, Charleston, South Carolina, \$10,000. Charleston.

For repairs and improvement of machinery and implements at plant at navy yard, Mare Island, California, \$15,000. Mare Island.

For repairs and improvement of machinery and implements at plant at navy yard, Puget Sound, Washington, \$10,000. Puget Sound.

#### BUREAU OF STEAM ENGINEERING.

\* \* \* \* \*

Provides that the unobligated balances under the appropriation "Steam machinery" for the fiscal years ending June thirtieth, nineteen hundred and twelve, and June thirtieth, nineteen hundred and thirteen, not exceeding \$250,000, are hereby reappropriated and made available for the development of a type of heavy-oil engine suitable for use in one of the fuel ships authorized by the act approved August twenty-second, nineteen hundred and twelve, and the expenditure thus incurred shall not be a charge against the limit of cost of such vessel. Heavy-oil engine, development of.

Engineering  
experiment sta-  
tion, Annap-  
olis.

Engineering experiment station, United States Naval Academy, Annapolis, Maryland \* \* \*

Equipment of building: For extension of steam, air, and water lines, and electric circuits; for foundations for machinery; for alternating current generating set; for purchase and installation of additional condensing apparatus for steam turbines, \$26,000.

#### NAVAL ACADEMY.

PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY:  
\* \* \*

Officers as  
instructors.

That no part of any sum in this act appropriated shall be expended in the pay or allowances of any commissioned officer of the Navy detailed for duty as an instructor at the United States Naval Academy to perform duties which were performed by civilian instructors on January first, nineteen hundred and thirteen.

N. M. Terry  
and W. W.  
Johnson, ap-  
pointment of,  
as professors  
of mathema-  
tics.

The President is hereby authorized, by and with the advice and consent of the Senate, to appoint Nathaniel Matson Terry and William Woolsey Johnson professors in the corps of professors of mathematics in the Navy with the rank of lieutenant as extra numbers not in the line of promotion: *Provided*, That for pay and other purposes their service as instructors or professors at the United States Naval Academy previous to being commissioned shall count as service in the Navy: *Provided further*, That for the purpose of this act limitations as to age at the time of appointment shall not apply nor shall age constitute a claim for retirement, and nothing in this act shall operate to create a claim for back pay.

Swordmaster  
A. J. Corbesier,  
appointment  
of, as first lieut-  
enant.

The President is hereby authorized to appoint, by and with the advice and consent of the Senate, A. J. Corbesier, a swordmaster at the United States Naval Academy, to be a first lieutenant in the United States Marine Corps as an extra number, not in the line of promotion.

\* \* \* \* \*

Servants, ad-  
ditional pay-  
ments to.

COMMISSARY DEPARTMENT: \* \* \* *Provided*, That hereafter such additional payments from the midshipmen's commissary fund as the superintendent of the Naval Academy may deem necessary may be made to the servants authorized in the commissary department.

\* \* \* \* \*

CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY: \* \* \*

Board of  
Visitors, com-  
position of.

Hereafter the Board of Visitors of the Naval Academy shall consist of seven members of the Committee on Naval Affairs of the United States Senate and seven members of the Committee on Naval Affairs of the House of Representatives, to be appointed by the respective chairmen thereof, and the members so appointed shall visit the Naval Academy annually at such time as the chairman of the Board of Visitors shall appoint, and the



members of each House of Congress of said board may visit said academy together or separately as the said board may elect during the session of Congress. The expenses of the members of the board shall be their actual expenses while engaged upon their duties as members of said board, not to exceed \$5 per day and their actual expenses of travel by the shortest mail routes: *Provided*, That so much of chapter sixty-eight, Statutes at Large, volume twenty, page two hundred and ninety, as is inconsistent with the provisions of this act is hereby repealed.

Duties of.

Expenses of the Board of Visitors of the Naval Academy, being actual expenses while engaged upon duties as members of the board not to exceed \$5 a day and actual expenses of travel by the shortest mail routes, and for clerk hire, and other incidental and necessary expenses of the board, \$500.

Expenses of.

\* \* \* \* \*

MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS.

PROVISIONS, MARINE CORPS: \* \* \* *Provided*, That hereafter so much of this appropriation as may be necessary may be applied for the purchase, for sale to officers, enlisted men, and civilian employees, of such articles of subsistence stores as may from time to time be designated and under such regulations as may be prescribed by the Secretary of the Navy.

Subsistence stores, sale of.

\* \* \* \* \*

INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval Establishment of the United States the President is hereby authorized to have constructed one first-class battleship, carrying as heavy armor and as powerful armament as any vessel of its class, to have the highest practicable speed and greatest desirable radius of action, and to cost, exclusive of armor and armament, not to exceed \$7,425,000: *Provided*, That the battleship herein authorized shall be built in a Government navy yard.

One battleship.

Six torpedo-boat destroyers, to have the highest practicable speed, to cost, exclusive of armor and armament, not to exceed \$950,000 each.

Six torpedo-boat destroyers.

Four submarine torpedo boats in an amount not exceeding in the aggregate \$2,478,936; and the sum of \$1,294,912 is hereby appropriated for said purpose.

Four submarines.

One transport, to cost, exclusive of armor and armament, not to exceed \$1,850,000.

One transport.

One supply ship, to cost, exclusive of armor and armament, not to exceed \$1,425,000.

One supply ship.

- The Secretary of the Navy shall build the battleship authorized in this act in such navy yard as he may designate; and shall build any of the other vessels herein authorized in such navy yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement, or understanding, the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the constructions of any of said vessels. That the United States ship Portsmouth be, and hereby is, transferred to the State of California, upon condition that the said State of California, by and through its governor, accept said vessel, United States ship Portsmouth, for said State, after having been first duly authorized by the Legislature of said State of California, and upon the further condition that said vessel remain the property of said State, to be preserved and cared for by the said State of California at its own cost and expense, and the said vessel be turned over to the State authorities of California without any expense to the Government.
- Portsmouth.**
- Construction and machinery.** CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, to be available until expended, \$19,818,228.
- Torpedo boats.** INCREASE OF THE NAVY; TORPEDO BOATS: On account of submarine torpedo boats heretofore authorized, to be available until expended, \$2,058,363.
- Equipment.** INCREASE OF THE NAVY; EQUIPMENT: Toward the completion of equipment outfit of the vessels heretofore and herein authorized, to be available until expended, \$430,000.
- Armor and armament.** INCREASE OF THE NAVY; ARMOR AND ARMAMENT: Toward the armor and armament for vessels heretofore and herein authorized, to be available until expended, \$11,724,192.
- Combination to monopolize interstate trade, prohibition against.** Total increase of the Navy heretofore and herein authorized, to be available until expended, \$35,325,695.
- That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament, or machinery from any persons, firms, or corporations who have combined or conspired to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the States and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates, or machinery shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

That no part of any sum herein appropriated under "Increase of the Navy" shall be used for the payment of any clerical, drafting, inspection, or messenger service, or for the pay of any of the other classified force under the various bureaus of the Navy Department, Washington, District of Columbia.

Classified employees in bureau not to be paid from "Increase of the Navy."

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington, District of Columbia, unless specific authority is given by law for such expenditure.

Expenses of Navy Department, no part of, to be paid from sums appropriated by this act.

Approved, March 4, 1913.





SIXTY-THIRD CONGRESS, SECOND SESSION—JUNE 30, 1914.

[PUBLIC—No. 121.]

[H. R. 14034.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and fifteen, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY, MISCELLANEOUS.

It is "*Provided*, That hereafter no mileage shall be paid to any officer where Government transportation is furnished such officer. Mileage.

CONTINGENT, NAVY: \* \* \*.

It is provided "That the sum of \$104,000, or so much thereof as may be necessary, be expended, on the approval and authority of the Secretary of the Navy, for entertaining the officers and crews of foreign fleets which may be sent to attend and participate in the Panama-Pacific International Exposition in consequence of the invitation of the President of the United States, extended in pursuance of the authority contained in the joint resolution of Congress approved February fifteenth, nineteen hundred and eleven, and of the authority contained in the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and twelve, and for other purposes, approved March fourth, nineteen hundred and eleven, and for defraying such other expenses incident to the visit of the said foreign fleets as the Secretary of the Navy may deem proper, and the said sum shall be available until November fifteenth, nineteen hundred and fifteen. Foreign  
fleets, enter-  
tainment of.

That the tolls that have been or may be prescribed by the President, in pursuance of the authority contained in the Panama Canal act, approved August twenty-fourth, nineteen hundred and twelve, to be levied by the Government of the United States for the use of the Panama Canal shall not be assessed against nor collected from any war vessel of any foreign nation which may pass through the Panama Canal en route to or in returning from the Panama-Pacific International Exposition: *Provided*, That such vessel has been sent by its Government to attend and participate in the said exposition in consequence of the invitation of the President of the United States, extended in pursuance of the authority contained in the joint resolution of Congress approved February Canal tolls,  
remission of, to  
foreign ships  
visiting exposi-  
tion.

fifteenth, nineteen hundred and eleven, and of the authority contained in the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and twelve, and for other purposes, approved March fourth, nineteen hundred and eleven."

Anchorage,  
Hampton  
Roads.

The Secretary of the Navy is hereby authorized and empowered to define and establish suitable anchorage grounds in Hampton Roads, Virginia, and the adjacent waters for the combined fleets of the United States and foreign Governments which may rendezvous there prior to proceeding to the Panama-Pacific International Exposition, to be held at the city and county of San Francisco, California, in the year nineteen hundred and fifteen, as well as to define and establish suitable anchorage grounds in the Bay of San Francisco and the approaches and waters adjacent thereto during the continuance of the said Panama-Pacific International Exposition, and the Secretary of the Navy is hereby further authorized to make such rules and regulations regarding the movements of all vessels in all of the waters named as may be necessary in order to insure the proper and orderly conduct of such features as may be planned for the combined fleets and to provide for the safety of the vessels participating therein; and such rules and regulations when so issued and published shall have the force and effect of law.

Shore duty,  
former engi-  
neer officers  
and naval con-  
structors eligi-  
ble for any as-  
signed.

That officers who now perform engineering duty on shore only and officers of the Construction Corps shall be eligible for any shore duty compatible with their rank and grade to which the Secretary of the Navy may assign them.

\* \* \* \* \*

#### BUREAU OF NAVIGATION.

\* \* \* \* \*

Naturaliza-  
tion.

Any alien of the age of twenty-one years and upward who may, under existing law, become a citizen of the United States, who has served or may hereafter serve for one enlistment of not less than four years in the United States Navy or Marine Corps, and who has received therefrom an honorable discharge or an ordinary discharge, with recommendation for reenlistment, or who has completed four years in the Revenue-Cutter Service and received therefrom an honorable discharge or an ordinary discharge with recommendation for reenlistment, or who has completed four years of honorable service in the naval auxiliary service, shall be admitted to become a citizen of the United States upon his petition without any previous declaration of his intention to become such, and without proof of residence on shore, and the court admitting such alien shall, in addition to proof of good moral character, be satisfied by competent proof from naval or revenue-cutter sources of such service:



*Provided*, That an honorable discharge from the Navy, Marine Corps, Revenue-Cutter Service, or the naval auxiliary service, or an ordinary discharge with recommendation for reenlistment, shall be accepted as proof of good moral character: *Provided further*, That any court which now has or may hereafter be given jurisdiction to naturalize aliens as citizens of the United States may immediately naturalize any alien applying under and furnishing the proof prescribed by the foregoing provisions.

\* \* \* \*

OUTFITS ON FIRST ENLISTMENT: \* \* \* *Provided*, That the Secretary of the Navy is authorized to issue a clothing outfit to all enlisted men serving in their second enlistment who failed to receive an outfit of the value authorized by law on their first enlistment, or who, having received such outfit, were required to refund its value on account of discharge prior to expiration of enlistment: *Provided further*, That the net cost to the Government of clothing outfits furnished any one enlisted man shall not exceed \$60.

Clothing outfit, men entitled to, on second enlistment.

\* \* \* \*

Ocean and lake surveys.—It is provided, “That the Secretary of the Navy is authorized to detail such naval officers not exceeding four as may be necessary to the Hydrographic Office.”

Hydrographic office, detail of officers to.

\* \* \* \*

NAVAL HOME, PHILADELPHIA, PENNSYLVANIA, \* \* \*.

MAINTENANCE: \* \* \* *Provided*, That all moneys derived from the sale of material at the Naval Home, which was originally purchased from moneys appropriated from the income from the naval pension fund, and all moneys derived from the rental of Naval Home property, shall be turned into the naval pension fund: *And provided further*, That hereafter all moneys belonging to a deceased beneficiary of the Naval Home or derived from the sale of his personal effects, not claimed by his legal heirs or next of kin, shall be deposited with the pay officer of the Naval Home, and if any sum so deposited has been or shall hereafter be unclaimed for a period of two years from the death of such beneficiary it shall be deposited in the Treasury to the credit of the naval pension fund: *And provided further*, That the governor of the Naval Home is hereby authorized and directed, under such regulations as may be prescribed by the Secretary of the Navy, to make diligent inquiry in every instance after the death of an inmate to ascertain the whereabouts of his heirs or next of kin: *And provided further*, That claims may be presented hereunder at any time within five years after moneys have been so deposited in the Treasury, and, when supported by competent proof in any case after such deposit in the Treasury, shall be certified to Congress for consideration: *And provided*

Naval pension fund, proceeds of sales, etc., to be turned into.

*further*, That the pensions of beneficiaries of the Naval Home shall be disposed of in the same manner as prescribed for inmates of the Soldiers' Home, as provided for in section four of the act approved March third, eighteen hundred and eighty-three, under such regulations as the Secretary of the Navy may prescribe, except that in the case of death of any beneficiary leaving no heirs at law nor next of kin any pension due him shall, subject to the foregoing provisions, escheat to the naval pension fund.

\* \* \* \* \*

#### BUREAU OF YARDS AND DOCKS.

\* \* \* \* \*

CONTINGENT, BUREAU OF YARDS AND DOCKS: \* \* \*

Provides for "Minor extensions and improvements of public works, \* \* \*."

#### PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

- Boston.** NAVY YARD, BOSTON, MASSACHUSETTS: Improvement of sanitation system, including wash rooms, lockers, and water-closets, \$12,000; additional transportation facilities, \$10,000; in all, navy yard, Boston, \$22,000.
- Unobligated balance made available.** That the unobligated balance under the appropriation, Marine Barracks, Boston, Massachusetts, for the fiscal year ending June thirtieth, nineteen hundred and fourteen, not exceeding \$148,000, is hereby made available for building slip and equipment.
- New York.** NAVY YARD, NEW YORK, NEW YORK: Paving and grading, to continue, \$15,000; yard railroad, extension and equipment, \$15,000; to complete Pier D, \$25,000; toward construction of Pier C (cost not to exceed \$150,000), \$65,000; distributing system, extensions, to continue, including separator receivers, \$15,000; extend second floor mold loft, \$8,500; in all, navy yard, New York, New York, \$143,500.
- Philadelphia.** NAVY YARD, PHILADELPHIA, PENNSYLVANIA: Quay walls and piers, \$50,000; power plant improvement (to install rotary converters), \$15,000; building slip and equipment, \$200,000; in all, navy yard, Philadelphia, \$265,000.
- Washington.** NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: Fire-proof general storehouse (cost not to exceed \$225,000), \$100,000.
- Norfolk.** NAVY YARD, NORFOLK, VIRGINIA: Repairs, buildings, Saint Helena, \$25,000; the one hundred and fifty ton crane authorized by the act of March fourth, nineteen hundred and thirteen, shall be of the floating revolving type, and the limit of cost is hereby increased to \$450,000.
- Charleston.** NAVY YARD, CHARLESTON, SOUTH CAROLINA: To complete torpedo boat berths (to cost not exceeding \$300,000), \$150,000; dredging, to continue, \$20,000; sewer

system, extensions, \$5,000; conduit system, extensions, to continue, \$5,000; in all, \$180,000.

The Secretary of the Navy is hereby authorized to pay, from appropriation "Contingent, Bureau of Yards and Docks," for the fiscal year nineteen hundred and thirteen, voucher in favor of The Vilter Manufacturing Company for \$4,937 for an ice-making and refrigerating plant for the naval disciplinary barracks, Port Royal, South Carolina, furnished by said company under contract dated April twenty-third, nineteen hundred and thirteen, with the Secretary of the Navy; and the accounting officers of the Treasury are hereby authorized and directed to allow in the accounts of Passed Assistant Paymaster D. W. Rose credit for payments amounting to \$1,184 made by him to said company under contract dated November fifth, nineteen hundred and thirteen, from appropriation "Contingent, Bureau of Yards and Docks," for the fiscal year nineteen hundred and fourteen, on account of said ice-making and refrigerating plant.

Passed As-  
sistant Pay-  
master D. W.  
Rose, relief of.

NAVY YARD, MARE ISLAND, CALIFORNIA: To complete quay wall, \$20,000; modernizing electric-power and light-distributing systems, \$10,000; improvement of hydraulics, Mare Island Straits, in accordance with report submitted in House Document Numbered Eleven hundred and three, Sixtieth Congress, second session, and such modifications as may be made therein in pursuance of the authority contained in the act making appropriations to supply urgent deficiencies in appropriations for the fiscal year ending June thirtieth, nineteen hundred and thirteen, and for other purposes, approved October twenty-second, nineteen hundred and thirteen (limit of cost \$507,000), to complete, \$207,000; dredging and diking, to continue, \$20,000; in all, \$257,000.

Mare Island.

NAVY YARD, PUGET SOUND, WASHINGTON: To complete ship fitters' shop, mold loft, and structural steel storage, \$155,000.

Puget Sound.

NAVAL STATION, NARRAGANSETT BAY, RHODE ISLAND: Water-front improvements, \$10,000.

Narragan-  
sett Bay.

NAVAL STATION, GUANTANAMO, CUBA: Quarters for civilian employees, \$8,000; recreation building for enlisted men, \$30,000; in all, \$38,000.

G u a n t a -  
n a m o .

NAVAL STATION, PEARL HARBOR, HAWAII: Four officers' quarters, \$20,000; to complete torpedo-boat slips, \$50,000; in all, \$70,000.

Pearl Har-  
bor.

The limit of cost of the dry dock at the naval station, Pearl Harbor, Hawaii, is hereby increased to \$4,986,500.

NAVAL PROVING GROUND, INDIANHEAD, MARYLAND: Toward extension of powder factory (cost not to exceed \$500,000), \$200,000.

Powder fac-  
tory, Indian-  
head.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: To complete the construction of wharf and approach, \$75,000.

Naval Acad-  
emy.

DEPOTS FOR COAL AND OTHER FUEL: For additional fuel-oil storage at Melville, Rhode Island, \$20,000; addi-

Depots for  
coal.



tional fuel-oil storage at Norfolk, Virginia, \$150,000; fuel-oil storage at San Diego, California, \$50,000; steel coaling tower at San Diego, California, \$45,000; fuel-oil storage at Puget Sound, Washington, \$105,000; fuel-oil storage, San Francisco Bay, California, \$100,000; contingent, \$30,000; in all, \$500,000.

Port Royal.

NAVAL DISCIPLINARY BARRACKS: For the extension and development of the detention system of reforming and disciplining enlisted men of the Navy and Marine Corps convicted by general courts-martial to be used as the Secretary of the Navy May direct at naval disciplinary barracks, Port Royal, South Carolina, and naval disciplinary barracks, navy yard, Puget Sound, Washington, \$75,000.

Puget Sound, Washington.

Torpedo station, Newport.

Naval torpedo station, Newport, Rhode Island: One assembly shop, \$100,000; one torpedo storehouse, \$85,000; one machine shop, \$75,000; in all, \$260,000.

\* \* \* \* \*

#### BUREAU OF MEDICINE AND SURGERY.

Naval hospitals, temporary additions to, Mare Island and Puget Sound.

\* \* \* *Provided*, That the expenditure of \$40,000 is hereby authorized from the naval hospital fund for such temporary structures and equipment of the naval hospitals at Mare Island and Puget Sound as may be necessary to make especial preparation for the sick of the Navy and visiting fleets at the time of the Panama-Pacific International Exposition, and to relieve the present crowded condition of those institutions.

\* \* \* \* \*

#### BUREAU OF SUPPLIES AND ACCOUNTS.

Pay, Navy, to constitute one fund.

PAY OF THE NAVY: \* \* \* The money herein specifically appropriated for "Pay of the Navy" shall be disbursed and accounted for in accordance with existing law as "Pay of the Navy," and for that purpose shall constitute one fund: *Provided*, That hereafter the number of enlisted men of the Navy and Marine Corps provided for shall be construed to mean the daily average number of enlisted men in the naval service during the fiscal year.

Enlisted men, authorized number based on daily average.

Grade of acting chaplain created.

The grade of acting chaplain in the Navy is hereby authorized and created, and hereafter original appointments shall be made by the Secretary of the Navy, not to exceed the number hereinafter provided, in the grade of acting chaplains in the Navy after such examination as may be prescribed by the Secretary of the Navy, and while so serving acting chaplains shall have the rank, pay, and allowances of lieutenant, junior grade, in the Navy. After three years' sea service on board ship each acting chaplain before receiving a commission in the Navy shall establish to the satisfaction the Secretary of the Navy by examination by a board of chaplains and medi-

Qualifications of.

cal officers of the Navy his physical, mental, moral, and professional fitness to perform the duties of chaplain in the Navy, and if found so qualified, shall be commissioned a chaplain in the Navy with the rank of lieutenant, junior grade. If any acting chaplain shall fail on the examinations herein prescribed he shall be honorably discharged from the naval service, and the appointment of any acting chaplain may be revoked at any time in the discretion of the Secretary of the Navy.

Hereafter the total number of chaplains and acting chaplains in the Navy shall be one to each twelve hundred and fifty of the total personnel of the Navy and Marine Corps as fixed by law, including midshipmen, apprentice seamen, and naval prisoners, and of the total number of chaplains and acting chaplains herein authorized ten per centum thereof shall have the rank of captain in the Navy, twenty per centum the rank of commander, twenty per centum the rank of lieutenant commander, and the remainder to have the rank of lieutenants and lieutenants, junior grade.

Chaplains and acting chaplains, number and rank of.

Naval chaplains hereafter commissioned from acting chaplains shall have the rank, pay, and allowances of lieutenants, junior grade, in the Navy until they shall have completed four years' service in that grade, when, subject to examination as above prescribed, they shall have the rank, pay, and allowances of lieutenant in the Navy, and chaplains with the rank of lieutenant shall have at least four years' service in that grade before promotion to the grade of lieutenant commander, after which service, chaplains shall be promoted as vacancies occur to the grades of lieutenant commander, commander, and captain: *Provided*, That not more than seven acting chaplains shall be commissioned chaplains in any one year: *And provided further*, That no provision of this section shall operate to reduce the rank, pay, or allowances that would have been received by any person in the Navy except for the passage of this section, and that all laws or parts of laws inconsistent with the provisions of this section be, and the same are hereby, repealed.

Chaplains, rank and compensation of.

PROVISIONS, NAVY: The accounting officers of the Treasury are hereby authorized and directed to allow members of the Navy Nurse Corps the amounts which as commutation of subsistence have been at any time checked against their accounts or withheld from them as the result of the decisions of the comptroller dated December twenty-first, nineteen hundred and twelve, and April twenty-ninth, nineteen hundred and thirteen, and to pay said sums out of any appropriation for provisions, Navy.

Nurse Corps, subsistence of.

MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS: For \* \* \* the removal and transportation of ashes from ships of war; \* \* \* stationery for commanding and navigating officers of ships, chaplains on shore and afloat, and for the use of courts-martial on board ship;

Miscellaneous items.

purchase, repair, and exchange of typewriters for ships; packing boxes and materials; \* \* \* purchase of articles of equipage at home and abroad under the cognizance of the Bureau of Supplies and Accounts, and for the payment of labor in equipping vessels therewith, and the manufacture of such articles in the several navy yards; musical instruments and music; mess outfits; soap on board naval vessels; athletic outfits; \* \* \* and reimbursement to appropriations of the Department of Agriculture of cost of inspection of meats and meat food products for the Navy Department: \* \* \*.

Supplies  
turned into  
stores, value of,  
to be credited  
to current ap-  
propriations.

Those portions of the acts of June twenty-fifth, nineteen hundred and ten, and March fourth, nineteen hundred and eleven, which create the "Naval supply account" under the Bureau of Supplies and Accounts, are hereby so modified and amended that hereafter the appraised value of all stores, equipage, and supplies turned in from ships, and ships' equipage turned in from yards or stations (except salvage), shall be credited to the current appropriations concerned, and the amounts so credited shall be available for expenditures for the same purposes as the appropriations credited; and all acts or parts of acts in so far as they conflict with this provision are hereby repealed.

#### BUREAU OF CONSTRUCTION AND REPAIR.

National flag  
draping coffin.

CONSTRUCTION AND REPAIR OF VESSELS: \* \* \* *Provided*, That the Secretary of the Navy be authorized at his discretion to issue free of cost the national flag (United States national ensign No. 7) used for draping the coffin of any officer or enlisted man of the Navy or Marine Corps whose death occurs while in the service of the United States Navy or Marine Corps, upon request, to the relatives of the deceased officer or enlisted man or upon request, to a school, patriotic order, or society to which the deceased officer or man belonged: \* \* \*

Constellation.

And the Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessel herein named in an amount not to exceed the sum specified for said vessel, Constellation, \$50,000 \* \* \*:

Dry dock,  
San Francisco,  
contract for  
use.

*Provided further*, That the Secretary of the Navy is hereby authorized to enter into contract for the use by the Government of drydocks at Hunters Point, San Francisco, California, one of which docks shall be capable of docking the largest vessel that can be passed through the locks of the Panama Canal, for a period not to exceed six years from completion of such dock, at a compensation of \$50,000 per annum during said period of six years, the right of the Government to the use of said docks in time of war to be prior and paramount: *Provided*, That the construction of the large dock shall be



undertaken immediately upon entering into this contract and shall be completed within twenty-four months thereafter: *And provided further*, That said contract shall provide for docking rates not in excess of commercial rates, and for such other conditions as may be prescribed by the Secretary of the Navy, prior to entering into such contract: *And provided further*, That in the event, during the said contract period of six years, the necessities of the fleet require the docking of vessels which will necessitate a charge greater than \$50,000 per annum, the Secretary of the Navy is authorized to have said vessel docked at a rate of charge not greater than price stipulated in said contract.

\* \* \* \* \*

BUREAU OF STEAM ENGINEERING.

ENGINEERING: For repairs, preservation, and renewal \* \* \* of electric interior and exterior signal communications and all electrical appliances of whatsoever nature on board naval vessels, except range finders, battle order and range transmitters and indicators, and motors and their controlling apparatus used to operate machinery belonging to other bureaus; maintenance of coast signal service, including the purchase of land as necessary for sites for radio shore stations; equipage, supplies, and materials under the cognizance of the bureau required for the maintenance and operation of naval vessels, yard craft, ships' boats, and air craft; \* \* \* instruments and apparatus, supplies, and technical books and periodicals necessary to carry on experimental and research work in radiotelegraphy at the naval radio laboratory: \* \* \* *Provided*, That the sum to be paid out of this appropriation for the purchase of land for sites for radio shore stations shall not exceed \$50,000: *Provided further*, That the total expenditures under this appropriation at the naval radio laboratory shall not exceed \$5,000.

Engineering expenses, miscellaneous.

Radio laboratory.

Toward the purchase and preparation of necessary sites, purchase and erection of towers and buildings, and the purchase and installation of machinery and apparatus of high power radio stations (cost not to exceed \$1,000,000), to be located as follows: One in the Isthmian Canal Zone, one on the California coast, one in the Hawaiian Islands, one in American Samoa, one on the island of Guam, and one in the Philippine Islands, \$400,000, to be available until expended.

Radio stations.

The unobligated and unexpended balances of appropriation "Steam machinery" for the fiscal years nineteen hundred and twelve and nineteen hundred and thirteen, not exceeding in amount \$250,000, which were made available by the act of March fourth, nineteen hundred and

Heavy-oil engine, development of.

thirteen, for the development of a heavy-oil engine for one of the fuel ships provided by that act, shall be considered available for that purpose until June thirtieth, nineteen hundred and sixteen.

Bureau of  
Equipment,  
abolition of.

The Bureau of Equipment of the Navy Department is hereby abolished, and the duties assigned by law to that bureau shall be distributed among the other bureaus and offices of the Navy Department as herein provided, and all available funds heretofore appropriated for that bureau and such civil employees of that bureau as were heretofore authorized by law are hereby assigned and transferred to the other bureaus and offices as herein provided: *Provided*, That nothing herein shall be so construed as to authorize the expenditure of any appropriation for purposes other than those specifically provided by the terms of the appropriations heretofore and herein made.

#### NAVAL ACADEMY.

\* \* \* \* \*

Naval Academy dairy, unexpended balance for, reappropriated.

The unexpended balance of the appropriation for dairy, Naval Academy, Annapolis, Maryland, contained in the naval appropriation act approved March fourth, nineteen hundred and thirteen, is hereby made available for expenditure during the fiscal year ending June thirtieth, nineteen hundred and fifteen.

\* \* \* \* \*

Midshipmen, 15 enlisted men annually made eligible for appointment as.

Hereafter in addition to the appointments of midshipmen to the United States Naval Academy as now prescribed by law, the Secretary of the Navy is allowed fifteen appointments annually from the enlisted men of the Navy who are citizens of the United States and not more than twenty years of age on the date of entrance to the Naval Academy, and who shall have served not less than one year as enlisted men on the date of entrance: *Provided*, That such appointments shall be made in the order of merit from candidates who have in competition with each other passed the mental examination now or hereafter required by law for entrance to the Naval Academy, and who passed the physical examination required before entrance under existing law.

#### MARINE CORPS.

Mileage.

\* \* \* *Provided*, That hereafter no mileage shall be paid to any officer where Government transportation is furnished such officer.

\* \* \* \* \*

#### INCREASE OF THE NAVY.

Two battle-ships.

That for the purpose of further increasing the Naval Establishment of the United States, the President is hereby authorized to have constructed two first-class

battleships carrying as heavy armor and as powerful armament as any vessel of their class, to have the highest practicable speed and greatest desirable radius of action, and to cost, exclusive of armor and armament, not to exceed \$7,800,000 each. One of the battleships hereby authorized shall be built and constructed at a Government navy yard.

Six torpedo-boat destroyers, to have the highest practicable speed, to cost, exclusive of armor and armament, not to exceed \$925,000 each.

Eight or more submarines, one to be of seagoing type to have a surface speed of not less than twenty knots, seven or more to be of coast and harbor defense type; to cost not exceeding in the aggregate \$1,460,000, and the sum of \$1,825,000 is hereby appropriated for said purpose, to be available until expended. The appropriation made in the naval act approved March fourth, nineteen hundred and thirteen, "Wrecking pontoon: For construction or purchase of a testing and wrecking pontoon for submarines, to be available until expended, \$300,000," is hereby made available until expended for the construction of said eight or more submarine boats.

Three of the coast-defense submarine torpedo boats herein authorized shall be built on the Pacific coast: *Provided*, That the cost of construction on the Pacific coast does not exceed the cost of construction on the Atlantic coast, plus the cost of transportation from the Atlantic to the Pacific; and the Secretary of the Navy is requested to consider the advisability of stationing the four small submarine torpedo boats herein authorized on the coast of the United States in the Gulf of Mexico as a proper naval defense thereof.

Hereafter there shall be charged against the several appropriations for the support of the Naval Establishment the overhead charges incident to upkeep and to industrial work at navy yards and stations. The total sum so charged shall be distributed in accordance with the work done in the various yards and stations in order that the cost of work may be determined.

Except where otherwise directed, the Secretary of the Navy shall build any of the vessels herein authorized in such navy yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and machinery of vessels heretofore and herein authorized, to be available until expended, \$17,647,617.

Six torpedo-boat destroyers.

One submarine of seagoing type.

Seven or more submarines of coast and harbor defense type.

Place of construction.

Overhead charges, distribution of.

Navy yards, new ships may be built in.

Construction and machinery.



Torpedo  
boats, to con-  
tinue.

INCREASE OF THE NAVY; TORPEDO BOATS: On account of submarine torpedo boats heretofore authorized, to be available until expended, \$1,685,617.

Equipment.

INCREASE OF THE NAVY; EQUIPMENT: Toward the completion of equipment outfit of the vessels heretofore and herein authorized, to be available until expended, \$421,000.

Armor and  
armament.

INCREASE OF THE NAVY; ARMOR AND ARMAMENT: Toward the armor and armament for vessels heretofore, and herein authorized, to be available until expended, \$14,877,500.

Armor plant,  
committee to  
investigate ad-  
visability of es-  
tablishing.

A committee is hereby appointed, to consist of the chairman of the Committee on Naval Affairs of the Senate and the chairman of the Committee on Naval Affairs of the House of Representatives, and one naval officer to be selected by the Secretary of the Navy to investigate and report at the next regular session of Congress upon the cost of erection of an armor plant to enable the United States to manufacture its own armor plate and special treatment steel, capable of standing all ballistic and other necessary tests required for use in vessels of the Navy, at the lowest possible cost to the Government, taking into consideration all of the elements necessary for the economical and successful operation of such a plant. Said report shall contain the estimated cost of a plant and site sufficient to accommodate a plant having an annual output capacity of twenty thousand tons, and also a plant having an output of ten thousand tons, and also an itemized statement of the estimated cost of the necessary buildings, machinery, and accessories for each, and the estimated annual cost and maintenance of each, and the estimated cost of the finished product.

Said committee is authorized to sit during the recess of Congress, to send for persons and papers, and to administer oaths.

The sum of \$5,000 is hereby appropriated, out of any money in the Treasury not otherwise appropriated, to pay the expenses of said committee, payable upon vouchers signed by the chairman of said committee.

Total increase of the Navy heretofore and herein authorized, \$36,456,734.

Government  
plants, use of,  
when practi-  
cable.

Of each of the sums appropriated by this act, except such amounts as may be required to meet obligations authorized in previous acts and for which contracts have been made, no part shall be used to procure through purchase or contract any vessels, armament, articles, or materials which the navy yards, gun factories, or other industrial plants operated by the Navy Department are equipped to supply, unless such Government plants are operated approximately at their full capacity for not less than one regular shift each working day, except when contract costs are less than costs in said Government plants, and except when said Government plants are un-

able to complete the work within the time required, and except in cases of emergency.

That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament, or machinery from any persons, firms, or corporations who have combined or conspired to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the States and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates, or machinery shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

Combination to monopolize trade, prohibition against.

That no part of any sum herein appropriated under "Increase of the Navy" shall be used for the payment of any clerical, drafting, inspection, or messenger service, or for the pay of any of the other classified force under the various bureaus of the Navy Department, Washington, District of Columbia.

Classified employees in bureaus not to be paid from "Increase of the Navy."

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington, District of Columbia, unless specific authority is given by law for such expenditure.

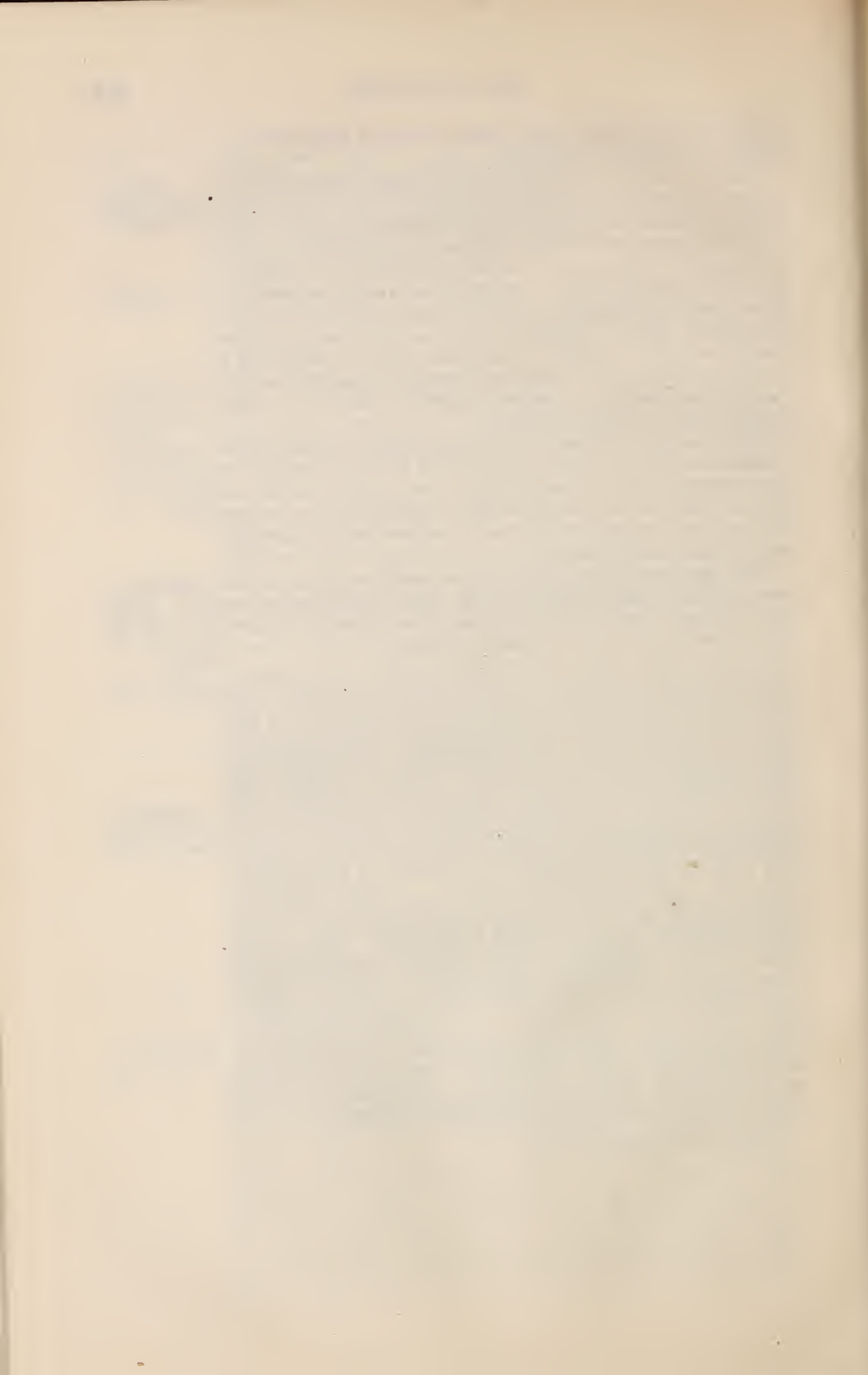
Expenses of Navy Department, no part of, to be paid from sum appropriated by this act.

The President may, in his discretion, direct the sale, in such manner, at such price not less than the original cost price and upon such terms as he may deem proper, of the two battleships Idaho and Mississippi. All moneys received from the sale of said vessels shall be deposited by the Secretary of the Navy in the Treasury. After said sale, in addition to the two battleships hereinbefore authorized, the President is hereby authorized to have constructed a first-class battleship carrying as heavy armor and as powerful armament as any vessel of its class, to have the highest practicable speed and the greatest desirable radius of action, and to cost, exclusive of armor and armament, not to exceed \$7,800,000. Out of the money when so deposited in the Treasury there is hereby appropriated toward the construction of said battleship on account of "Increase of the Navy": "Construction and machinery," \$2,000,000; "Armor and armament," \$2,535,000; and "Equipment," \$100,000: *Provided*, That no vessel shall be sold under this authorization unless such sale, or the agreement therefor, shall have been made prior to July first, nineteen hundred and fifteen.

Idaho and Mississippi, sale of.

Proceeds of sale, battleship to be constructed from.

Approved, June 30, 1914.





SIXTY-THIRD CONGRESS, THIRD SESSION—MARCH 3, 1915.

[PUBLIC—No. 271.]

[H. R. 20975.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and sixteen, and for other purposes.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That the following sums be, and they are hereby, appropriated, to be paid out of any money in the Treasury not otherwise appropriated, for the naval service of the Government for the year ending June thirtieth, nineteen hundred and *sixteen*, and for other purposes:

PAY, MISCELLANEOUS.

The Secretary of the Navy shall send to Congress at the beginning of its next regular session a complete schedule or list showing the amount of money of all pay and for all allowances for each grade of officers in the Navy, including retired officers, and for all officers included in this act and for all enlisted men so included.

For commissions and interests; transportation of funds; exchange; mileage to officers while traveling under orders in the United States, and for actual personal expenses of officers while traveling abroad under orders, and for traveling expenses of civilian employees, and for actual and necessary traveling expenses of midshipmen while proceeding from their homes to the Naval Academy for examination and appointment as midshipmen; for actual traveling expenses of female nurses; actual expenses of officers while on shore patrol duty; for rent of buildings and offices not in navy yards, including the rental of offices in the District of Columbia; expenses of courts-martial, prisoners and prisons, and courts of inquiry, boards of inspection, examining boards, with clerks' and witnesses' fees, and traveling expenses and costs; stationery and recording; religious books; expenses of purchasing paymasters' offices of the various cities, including clerks, furniture, fuel, stationery, and incidental expenses; newspapers and periodicals for the naval service (*hereafter subscriptions may be paid for in advance*); all advertising for the Navy Department and its bureaus (except advertising for recruits for the Bureau of Navigation); copying; care of library, in-

Pay and allowances,  
schedule of.

Miscellaneous.

cluding the purchase of books, photographs, prints, manuscripts, and periodicals; ferriage; tolls; costs of suits; commissions, warrants, diplomas, and discharges; relief of vessels in distress; recovery of valuables from shipwrecks; quarantine expenses; reports; professional investigation; cost of special instruction at home and abroad, including maintenance of students and attachés; information from abroad, and the collection and classification thereof; all charges pertaining to the Navy Department and its bureaus for ice for the cooling of drinking water on shore (except at naval hospitals), telephone rentals and tolls, telegrams, cablegrams, and postage, foreign and domestic, and post-office box rentals; and other necessary and incidental expenses: *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for clerical, inspection, and messenger service in navy yards, naval stations, and purchasing pay offices for the fiscal year ending June thirtieth, nineteen hundred and *sixteen*, shall not exceed \$290,000; in all, \$1,000,000.

Clerical  
force, pay of.

Chief of naval  
operations  
created and  
duties defined.

*There shall be a Chief of Naval Operations, who shall be an officer on the active list of the Navy appointed by the President, by and with the advice and consent of the Senate, from among the officers of the line of the Navy not below the grade of captain for a period of four years, who shall, under the direction of the Secretary of the Navy, be charged with the operations of the fleet, and with the preparation and readiness of plans for its use in war: Provided, That if an officer of the grade of captain be appointed Chief of Naval Operations, he shall have the rank, title, and emoluments of a rear admiral while holding that position.*

*During the temporary absence of the Secretary and the Assistant Secretary of the Navy, the Chief of Naval Operations shall be next in succession to act as Secretary of the Navy.*

Emergency  
expenses.

CONTINGENT, NAVY: For all emergencies and extraordinary expenses, exclusive of personal services in the Navy Department, or any of its subordinate bureaus or offices at Washington, District of Columbia, arising at home or abroad, but impossible to be anticipated or classified, to be expended on the approval and authority of the Secretary of the Navy, and for such purposes as he may deem proper, \$46,000: *Provided, That the act "To authorize and provide for the disposal of useless papers in the executive departments," approved February sixteenth, eighteen hundred and eighty-nine, is hereby amended so that accumulations in the files of navy yards and naval stations that, in the judgment of the Secretary of the Navy, are not needed or useful in the transaction of current business and have no permanent value or historical interest may be disposed of by the Secretary of the Navy by sale, after advertisement for proposals as waste*

Useless pa-  
pers, disposal  
of.

*paper if practicable, or if not practicable then otherwise as may appear best for the interests of the Government, the said Secretary to make detailed report to the Congress in every case of the papers destroyed; provided always that no papers less than two years old from the date of the last indorsement thereon shall be destroyed or disposed of by the Secretary of the Navy, except in the manner provided in said act of February sixteenth, eighteen hundred and eighty-nine.*

*Hereafter officers who now perform engineering duty on shore only and officers of the Construction Corps shall be eligible for any shore duty compatible with their rank and grade to which the Secretary of the Navy may assign them.*

*Aeronautics: The sum of \$1,000,000 is hereby reappropriated out of the unobligated balances of the appropriations "Construction and repair of vessels and steam machinery" for the fiscal year ending June thirtieth, nineteen hundred and fourteen, and made available for aeronautics, to be expended under the direction of the Secretary of the Navy for procuring, producing, constructing, operating, preserving, storing, and handling aircraft and appurtenances, maintenance of aircraft stations and experimental work in development of aviation for naval purposes.*

Aeronautics.

*An Advisory Committee for Aeronautics is hereby established, and the President is authorized to appoint not to exceed twelve members, to consist of two members from the War Department, from the office in charge of military aeronautics; two members from the Navy Department, from the office in charge of naval aeronautics; a representative each of the Smithsonian Institution, of the United States Weather Bureau, and of the United States Bureau of Standards; together with not more than five additional persons who shall be acquainted with the needs of aeronautical science, either civil or military, or skilled in aeronautical engineering or its allied sciences: Provided, That the members of the Advisory Committee for Aeronautics, as such, shall serve without compensation: Provided further, That it shall be the duty of the Advisory Committee for Aeronautics to supervise and direct the scientific study of the problems of flight, with a view to their practical solution, and to determine the problems which should be experimentally attacked, and to discuss their solution and their application to practical questions. In the event of a laboratory or laboratories, either in whole or in part, being placed under the direction of the committee, the committee may direct and conduct research and experiment in aeronautics in such laboratory or laboratories: And provided further, That rules and regulations for the conduct of the work of the committee shall be formulated by the committee and approved by the President.*

Advisory  
committee for  
aeronautics.



*That the sum of \$5,000 a year, or so much thereof as may be necessary, for five years is hereby appropriated, out of any money in the Treasury not otherwise appropriated, to be immediately available, for experimental work and investigations undertaken by the committee, clerical expenses and supplies, and necessary expenses of members of the committee in going to, returning from, and while attending, meetings of the committee: Provided, That an annual report to the Congress shall be submitted through the President, including an itemized statement of expenditures.*

Naval Militia.

*Arming and equipping Naval Militia: For the pay, subsistence, and transportation of such portion of the Naval Militia as shall engage in actual service or instruction afloat or on shore, and for pay, transportation, and subsistence of any part of the Naval Militia as shall participate in any cruise, maneuvers, field instruction, or encampment of any part of the Regular Navy afloat or on shore; for the purpose of providing for issue to the Naval Militia any stores and supplies or publications which are supplied to the Navy by any department; for the actual and necessary traveling expenses, together with a per diem not to exceed \$4 to be established by the Secretary of the Navy, of the Naval Militia Board appointed by the Secretary of the Navy; and for the necessary clerical and office expenses of the Division of Naval Militia Affairs in the office of the Secretary of the Navy, \$250,000.*

Medal of honor, distinguished services.

*The President of the United States is hereby empowered to prepare a suitable medal of honor to be awarded to any officer of the Navy, Marine Corps, or Coast Guard who shall have distinguished himself in battle or displayed extraordinary heroism in the line of his profession.*

Lepers, care of, Guam and Culion.

**CARE OF LEPERS, ISLANDS OF GUAM AND CULION:** Naval station, island of Guam: Maintenance and care of lepers, special patients, and for other purposes, including cost of transfer of lepers from Guam to the island of Culion, in the Philippines, and their maintenance, \$14,000.

Hurricane damages, Samoa.

*Hurricane damages, American Samoa: For the relief of the inhabitants of American Samoa, to be immediately available, \$10,000.*

Transportation.

**Transportation:** For travel allowance of enlisted men discharged on account of expiration of enlistment; transportation of enlisted men and apprentice seamen and applicants for enlistment at home and abroad, with subsistence and transfers en route, or cash in lieu thereof; transportation to their homes, if residents of the United States, of enlisted men and apprentice seamen discharged on medical survey, with subsistence and transfers en route, or cash in lieu thereof; transportation of sick or insane enlisted men and apprentice seamen to hospitals, with subsistence and transfers en route, or cash in lieu

thereof; apprehension and delivery of deserters and stragglers, and for railway guides and other expenses incident to transportation, \$750,000.

Recruiting: Expenses of recruiting for the naval service; rent of rendezvous and expenses of maintaining the same; advertising for and obtaining men and apprentice seamen; actual and necessary expenses in lieu of mileage to officers on duty with traveling recruiting parties, \$130,000: *Provided*, That *hereafter* no part of *any* appropriation for the naval service shall be expended in recruiting seamen, ordinary seamen, or apprentice seamen unless, in case of minors, a certificate of birth or a verified written statement by the parents, or either of them, or in case of their death a verified written statement by the legal guardian, be first furnished to the recruiting officer, showing applicant to be of age required by naval regulations, which shall be presented with the application for enlistment; except in cases where such certificate is unobtainable, enlistment may be made when the recruiting officer is convinced that oath of applicant as to age is credible; but when it is afterwards found, upon evidence satisfactory to the Navy Department, that recruit has sworn falsely as to age, and is under eighteen years of age at the time of enlistment, he shall, upon request of either parent, or, in case of their death, by the legal guardian, be released from service in the Navy, upon payment of full cost of first outfit, unless, in any given case, the Secretary, in his discretion, shall relieve said recruit of such payment.

Recruiting.

Contingent: Ferriage, continuous-service certificates, discharges, good-conduct badges, and medals for men and boys; purchase of gymnastic apparatus; transportation of effects of deceased officers and enlisted men of the Navy; books for training apprentice seamen and landsmen; maintenance of gunnery and other training classes, packing boxes and materials; books and models; stationery; and other contingent expenses and emergencies arising under cognizance of the Bureau of Navigation, unforeseen and impossible to classify, \$10,000.

Contingent expenses.

Gunnery exercises: Prizes, trophies, and badges for excellence in gunnery exercises and target practice; for the establishment and maintenance of shooting galleries, target houses, targets, and ranges; for hiring established ranges, and for transportation of civilian assistants and equipment to and from ranges, \$99,800.

Gunnery exercises.

Steaming exercises: Prizes, trophies, and badges for excellence in steaming exercises, to be awarded to the ships in commission for general efficiency and for economy in coal consumption, under such rules as the Secretary of the Navy may formulate, and for the purpose of classifying, compiling, and publishing the results of the competition, \$3,000.

Steaming exercises.

Outfits on  
first enlist-  
ment.

**OUTFITS ON FIRST ENLISTMENT:** Outfits for all enlisted men and apprentice seamen of the Navy on first enlistment, at not to exceed \$60 each, *\$750,000: Provided, That hereafter* the Secretary of the Navy is authorized to issue a clothing outfit to all enlisted men serving in their second enlistment who failed to receive an outfit of the value authorized by law on their first enlistment, or who, having received such outfit, were required to refund its value on account of discharge prior to expiration of enlistment: *Provided further,* That the net cost to the Government of clothing outfits furnished any one enlisted man shall not exceed \$60.

Naval auxiliaries.

**MAINTENANCE OF NAVAL AUXILIARIES:** Pay, transportation, shipping, and subsistence of civilian officers and crews of naval auxiliaries, and all expenses connected with naval auxiliaries employed in emergencies which can not be paid from other appropriations, \$800,000.

Instruments and supplies.

**Instruments and supplies:** Supplies for seamen's quarters; and for the purchase of all other articles of equipage at home and abroad; and for the payment of labor in equipping vessels therewith and manufacture of such articles in the several navy yards; all pilotage and towage of ships of war; canal tolls, wharfage, dock and port charges, and other necessary incidental expenses of a similar nature; services and materials in repairing, correcting, adjusting, and testing compasses on shore and on board ship; nautical and astronomical instruments and repairs to same; libraries for ships of war, professional books, schoolbooks, and papers; compasses, compass fittings, including binnacles, tripods, and other appendages of ship's compasses; logs and other appliances for measuring the ship's way, and leads and other appliances for sounding; photographs, photographic instruments and materials, printing outfit and materials, *\$270,000.*

Ocean and lake surveys.

**Ocean and lake surveys:** Hydrographic surveys, including the pay of the necessary hydrographic surveyors, cartographic draftsmen and recorders, and for the purchase and printing of nautical books, charts, and sailing directions, *\$105,000: Provided,* That the Secretary of the Navy is authorized to detail such naval officers not exceeding four as may be necessary to the Hydrographic Office.

Naval training station, California.

**NAVAL TRAINING STATION, CALIFORNIA:** Maintenance of naval training station, Yerba Buena Island, California, namely: Labor and material; buildings and wharves; general care, repairs, and improvements of grounds, buildings, and wharves; wharfage, ferriage, and street car fare; purchase and maintenance of live stock, and attendance on same; wagons, carts, implements, and tools, and repairs to same, *including the maintenance, repair, and operation of one horse-drawn passenger-carrying vehicle to be used only for official purposes; fire*



engines and extinguishers; gymnastic implements, models and other articles needed in instruction of apprentice seamen; printing outfit and materials, and maintenance of same; heating and lighting; stationery, books, schoolbooks, and periodicals; fresh water, and washing; packing boxes and materials; and all other contingent expenses: maintenance of dispensary building; lectures and suitable entertainments for apprentice seamen; in all, \$70,000.

NAVAL TRAINING STATION, RHODE ISLAND: Maintenance of naval training station, Coasters Harbor Island, Rhode Island, namely: Labor and material; buildings and wharves; dredging channels; extending sea wall; repairs to causeway and sea wall; general care, repairs, and improvements of grounds, buildings, and wharves; wharfage, ferriage, and street car fare; purchase and maintenance of live stock, and attendance on same; wagons, carts, implements, and tools, and repairs to same, *including the maintenance, repair, and operation of two horse-drawn passenger-carrying vehicles to be used only for official purposes*; fire engines and extinguishers; gymnastic implements; models and other articles needed in instruction of apprentice seamen; printing outfit and materials, and maintenance of same; heating and lighting; stationery, books, schoolbooks, and periodicals; fresh water, and washing; packing boxes and materials; and all other contingent expenses; lectures and suitable entertainments for apprentice seamen; in all, \$85,000: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and *sixteen*, shall not exceed \$5,701.60.

Naval training station,  
Rhode Island.

NAVAL TRAINING STATION, GREAT LAKES: Maintenance of naval training station: Labor and material; general care, repairs, and improvements of grounds, buildings, and piers; street car fare; purchase and maintenance of live stock, and attendance on same; motor-propelled vehicles, wagons, carts, implements, and tools, and repairs to same, *including the maintenance, repair, and operation of one motor-propelled passenger-carrying vehicle, and one horse-drawn passenger-carrying vehicle to be used only for official purposes*; fire apparatus and extinguishers; gymnastic implements; models and other articles needed in instruction of apprentice seamen; printing outfit and material, and maintenance of same; heating and lighting, and repairs to power-plant equipment, distributing mains, tunnel, and conduits; stationery, books, schoolbooks, and periodicals; washing; packing boxes and materials; lectures and suitable entertainments for apprentice seamen; and all other contingent expenses: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy

Naval training station,  
Great Lakes.

for clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and *sixteen*, shall not exceed \$1,500; in all, naval training station, Great Lakes, \$80,000.

Naval training station,  
St. Helena.

NAVAL TRAINING STATION, SAINT HELENA: Maintenance of naval training station; labor and material, general care, repairs, and improvements; schoolbooks; and all other incidental expenses, \$25,000.

Naval War College, Rhode Island.

NAVAL WAR COLLEGE, RHODE ISLAND: For maintenance of the Naval War College on Coasters Harbor Island, *including the maintenance, repair, and operation of one horse-drawn passenger-carrying vehicle to be used only for official purposes*, and care of grounds for same, \$25,250; services of a lecturer on international law, \$2,000; services of civilian lecturers, rendered at the War College, \$300; care and preservation of the library, including the purchase, binding, and repair of books of reference and periodicals, \$1,300: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for clerical, inspection, drafting, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and *sixteen*, shall not exceed \$12,500; in all, Naval War College, Rhode Island, \$28,850.

Naval Home, Philadelphia.

Employees,  
pay of.

NAVAL HOME, PHILADELPHIA, PENNSYLVANIA, PAY OF EMPLOYEES: One secretary, \$1,600; one foreman mechanic, \$1,500; one superintendent of grounds, at \$720; one steward, at \$720; one store laborer, at \$480; one matron, at \$420; one beneficiaries' attendant, at \$300; one chief cook, at \$480; one assistant cook, at \$360; one assistant cook, at \$300; one chief laundress, at \$240; five laundresses, at \$192 each; four scrubbers, at \$192 each; one head waitress, at \$300; eight waitresses, at \$192 each; one kitchen servant, at \$360; eight laborers, at \$360 each; one stable keeper and driver, at \$480; one master-at-arms, at \$720; two house corporals, at \$300 each; one barber, at \$360; one carpenter, at \$846; one painter, at \$846; one painter, at \$720; one engineer for elevator and machinery, \$720; five laborers, at \$540 each; one laborer, at \$420; one laborer, at \$360; total for employees, \$22,696.

Maintenance.

MAINTENANCE: Water rent, heating, and lighting; cemetery, burial expenses and headstones; general care and improvements of grounds, buildings, walls, and fences; repairs to power plant equipment, implements, tools, and furniture, and purchase of the same; music in chapel and entertainments for beneficiaries; stationery, books, and periodicals; transportation of indigent and destitute beneficiaries to the Naval Home, and of sick and insane beneficiaries, their attendants and necessary subsistence for both, to and from other Government hospitals; employment of such beneficiaries in and about the Naval Home as may be authorized by the Secretary of the Navy, on the recommendation of the governor; support of bene-

ficiaries, and all other contingent expenses, *including the maintenance, repair, and operation of three horse-drawn passenger-carrying vehicles, to be used only for official purposes*, \$54,421; in all, for Naval Home, \$77,117, which sum shall be paid out of the income from the naval pension fund: *Provided*, That all moneys derived from the sale of material at the Naval Home, which was originally purchased from moneys appropriated from the income from the naval pension fund, and all moneys derived from the rental of Naval Home property, shall be turned into the naval pension fund.

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: For procuring, producing, preserving, and handling ordnance material; for the armament of ships; for fuel, material, and labor to be used in the general work of the Ordnance Department; for furniture at naval magazines, torpedo stations, and proving grounds; for maintenance of the proving ground and powder factory and for target practice; *for the maintenance, repair, or operation of horse-drawn passenger-carrying vehicles, to be used only for official purposes at naval magazines, the naval proving ground, Indianhead, Maryland, and naval torpedo stations*; and for pay of chemists, clerical, drafting, inspection, and messenger service in navy yards, naval stations, and naval magazines: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for chemists, clerical, drafting, inspection, watchmen, and messenger service in navy yards, naval stations, and naval magazines for the fiscal year ending June thirtieth, nineteen hundred and sixteen, shall not exceed \$468,000; in all, \$5,795,420.

Ordnance  
and ordnance  
stores.

Purchase and manufacture of smokeless powder, \$1,150,000: *Provided*, That no part of any money appropriated by this act shall be expended for the purchase of powder other than small-arms powder at a price in excess of 53 cents a pound: *Provided further*, That in expenditures of this appropriation, or any part thereof, for powder, no powder shall at any time be purchased unless the powder factory at Indianhead, Maryland, shall be operated on a basis of not less than its full maximum capacity.

Smokeless  
powder.

FOR NAVAL GUN FACTORY, WASHINGTON, DISTRICT OF COLUMBIA: New and improved machinery for existing shops, \$75,000.

Gun factory.

*Naval Proving Ground, Indianhead, Maryland: For machinery for extension of powder factory, to be available until expended*, \$141,620.

Proving  
ground.

*New batteries for ships of the Navy: For liners for eroded guns, to be available until June thirtieth, nineteen hundred and seventeen*, \$100,000.

New bat-  
teries.



Ammunition for ships.	AMMUNITION FOR SHIPS OF THE NAVY: For procuring, producing, preserving, and handling ammunition for issue to ships, \$3,000,000, to be available until expended.
Torpedoes and appliances.	TORPEDOES AND APPLIANCES: For the purchase and manufacture of torpedoes and appliances, to be available until June thirtieth, nineteen hundred and <i>eighteen</i> , \$1,000,000.
Torpedo station.	TORPEDO STATION, NEWPORT, RHODE ISLAND: For labor and material; general care of and repairs to grounds, buildings, and wharves; boats, instruction, instruments, tools, experiments, and general torpedo outfits, \$80,000.
Building.	<i>For the construction of a building for the storage of torpedoes, \$20,000.</i>
Machinery and tools.	For new and improved machinery and tools for torpedo factory, \$30,000.
Experiments.	EXPERIMENTS, BUREAU OF ORDNANCE: For experimental work in the development of armor-piercing and torpedo shell and other projectiles, fuses, powders, and high explosives, in connection with problems of the attack of armor with direct and inclined fire at various ranges, including the purchase of armor, powder, projectiles, and fuses for the above purposes and of all necessary material and labor in connection therewith; and for other experimental work under the cognizance of the Bureau of Ordnance in connection with the development of ordnance material for the Navy, \$100,000.
Repairs.	REPAIRS, BUREAU OF ORDNANCE: For necessary repairs to ordnance buildings, magazines, wharves, machinery, and other items of like character, \$30,000.
Contingent expenses.	CONTINGENT, BUREAU OF ORDNANCE: For miscellaneous items, namely: Cartage, expenses of light and water at magazines and stations, tolls, ferriage, technical books, and incidental expenses attending inspection of ordnance material, \$9,500.

## BUREAU OF YARDS AND DOCKS.

Maintenance.	MAINTENANCE, BUREAU OF YARDS AND DOCKS: For general maintenance of yards and docks, namely: For books, maps, models, and drawings; purchase and repair of fire engines; fire apparatus and plants; machinery; <i>operation or repair</i> , purchase, maintenance of horses and driving teams; carts, timber wheels, and all vehicles, <i>including motor-propelled and horse-drawn passenger-carrying vehicles to be used only for official purposes, and including motor-propelled vehicles for freight-carrying purposes only for use in the navy yards</i> ; tools and repair of the same; stationery; furniture for Government houses and offices in navy yards and naval stations; coal and other fuel; candles, oil, and gas; attendance on light and power plants; cleaning and clearing up yards and care of buildings; attendance on fires, lights, fire engines, and fire apparatus and plants; incidental labor at navy yards;
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water tax, tolls, and ferriage; pay of watchmen in navy yards; awnings and packing boxes; and for pay of employees on leave, \$1,595,496: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for clerical, inspection, drafting, messenger, and other classified work in the navy yards and naval stations for the fiscal year ending June thirtieth, nineteen hundred and sixteen, shall not exceed \$425,000.

CONTINGENT, BUREAU OF YARDS AND DOCKS: For contingent expenses and minor extensions and improvements of public works at navy yards and stations, \$50,000.

Contingent.

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY YARD, BOSTON, MASSACHUSETTS: *Paving, to continue, \$5,000; hot-water supply system, \$10,000; electric distributing system, extensions, \$10,000; in all, \$25,000.*

Boston.

NAVY YARD, NEW YORK, NEW YORK: *Yard railroad, extension and equipment, \$10,000; to complete construction of Pier C (cost not to exceed \$150,000), \$85,000; distributing system, extensions, \$15,000; dredging, to continue, \$25,000; in all, \$135,000.*

New York.

NAVY YARD, PHILADELPHIA, PENNSYLVANIA: *Railroad system, extensions, \$10,000; distribution systems, extensions, \$10,000; dredging, to continue, \$25,000; paving, to continue, \$10,000; in all, \$55,000.*

Philadelphia.

NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: *Fire-proof general storehouse (cost not to exceed \$225,000), to complete, \$125,000; railroad system, improvements and extensions, \$10,000; electric system, extensions, \$10,000; in all, \$145,000.*

Washington.

*Navy yard, Norfolk, Virginia: Building for school, \$50,000; railroad system, extensions, \$15,000; disinfecting plant, \$15,000; for the construction of a building slip and equipment, \$50,000; in all, \$130,000.*

Norfolk.

NAVY YARD, CHARLESTON, SOUTH CAROLINA: *Dredging, to continue, \$20,000; paving and grading, to continue, \$10,000; to make dry and wet borings to determine waterfront conditions for locating suitable piers, and slips, \$15,000; for the construction of building ways for constructing tugs, lighters, barges, and small naval auxiliary craft, \$50,000; in all, \$95,000.*

Charleston.

*Naval Station, Key West, Florida: Dredging, to continue, \$5,000.*

Key West.

*Naval station, Pensacola, Florida: For remodeling building fifty-two to fit it as a sick quarters and dispensary for use of United States Navy Aeronautic Station, \$15,000, reappropriated from unexpended appropriation act of March second, nineteen hundred and seven, for renewal of present naval hospital buildings, Pensacola, Florida.*

Pensacola.

- Mare Island. NAVY YARD, MARE ISLAND, CALIFORNIA: Dredging and diking, to continue, \$20,000; railroad system, extensions, \$10,000; garbage crematory, \$7,500; improvements and extensions to distributing systems, \$15,000; oil storage, \$12,500; in all, \$65,000.
- Puget Sound. NAVY YARD, PUGET SOUND, WASHINGTON: Dredging, to continue, \$15,000; railroad system, extensions, \$25,000; building slip for submarines, \$20,000; in all, \$60,000.
- Proving ground. NAVAL PROVING GROUND, INDIANHEAD, MARYLAND: Toward extension of powder factory (cost not to exceed \$500,000), to complete public work features, \$158,330.
- Fort Mifflin. Naval magazine, Fort Mifflin, Pennsylvania: One shell house, \$25,000; fixed ammunition storehouse, \$13,000; one magazine, \$13,000; reforming plant extension, \$7,000; railroad system, extension, \$6,000; in all, \$64,000.
- St. Juliens Creek. Naval magazine, Saint Juliens Creek, Virginia: One shell house, \$20,000.
- Magazine, Puget Sound. Naval magazine, Puget Sound, Washington: Shell house, \$15,000; two magazines, \$30,000; storage sheds, \$4,000; house on pier, \$2,000; pier extension, \$4,000; lightning protection, \$3,000; in all, \$58,000.
- Depots for coal and other fuel. Depots for coal and other fuel: For additional fuel-oil storage at Melville, Rhode Island, \$40,000; additional fuel-oil storage at Norfolk, Virginia, \$90,000; fuel-oil storage at San Diego, California, \$40,000; fuel-oil storage at Puget Sound, Washington, \$80,000; fuel-oil storage at Mare Island, California, \$80,000; fuel-oil storage at Guantnamo Bay, Cuba, \$50,000; fuel-oil storage at Pearl Harbor, Hawaii, \$80,000; custody and care of naval petroleum reserves, \$10,000; contingent, \$30,000; in all, \$500,000.
- Training station, San Francisco. Naval training station, San Francisco, California: Dredging and extension of wharf for receiving ship, \$15,000.
- Hospital, New York. Naval Hospital, New York, New York: Three contagious-disease units, \$15,000.
- Marine barracks. That the appropriation of \$400,000 for erection on the Isthmus of Panama of barracks, quarters, and other buildings for accommodation of marines, contained in the act of March fourth, nineteen hundred and thirteen, is hereby reappropriated, and \$200,000 thereof made available for the erection of marine barracks at Mare Island, California and \$200,000 thereof made available for the erection of marine barracks at Norfolk, Virginia.
- Repairs and preservation. REPAIRS AND PRESERVATION AT NAVY YARDS AND STATIONS: For repairs and preservation at navy yards, coaling depots, coaling plants, and stations, \$1,097,436.
- Total public works, navy yards, naval stations, naval proving grounds, and magazines, naval training station, San Francisco, naval hospital, New York, and depots for coal and other fuel, \$2,642,816, and the amounts herein appropriated for public works, except for repairs and preservation at navy yards and stations, shall be available until expended.



BUREAU OF MEDICINE AND SURGERY.

MEDICAL DEPARTMENT: For surgeons' necessities for vessels in commission, navy yards, naval stations, Marine Corps, and for the civil establishment at the several naval hospitals, navy yards, naval medical supply depots, Naval Medical School, Washington, and Naval Academy, \$525,000. Medical department.

CONTINGENT, BUREAU OF MEDICINE AND SURGERY: For tolls and ferriages; care, transportation, and burial of the dead; purchase of books and stationery, binding of medical records, unbound books, and pamphlets; hygienic and sanitary investigation and illustration; sanitary and hygienic instruction; purchase and repairs of *nonpassenger-carrying* wagons, automobile ambulances, and harness; purchase of and feed for horses and cows; *maintenance, repair and operation of two passenger-carrying vehicles for naval dispensary, Washington, District of Columbia, to be used only for official purposes*; trees, plants, garden tools, and seeds; incidental articles for the Naval Medical School and naval dispensary, Washington; *naval medical supply depots, sick quarters at Naval Academy and marine barracks; washing for medical department at Naval Medical School and naval dispensary, Washington; naval medical supply depots, sick quarters at Naval Academy and marine barracks, dispensaries at navy yards and naval stations, and ships; and for minor repairs on buildings and grounds of the United States Naval Medical School and naval medical supply depots*; rent of rooms for naval dispensary, Washington, District of Columbia, not to exceed \$1,200; for the care, maintenance, and treatment of the insane of the Navy and Marine Corps on the Pacific coast; for dental outfits and dental material, not to exceed \$38,000, and all other necessary contingent expenses; in all, \$142,000. Contingent expenses.

TRANSPORTATION OF REMAINS: To enable the Secretary of the Navy, in his discretion, to cause to be transferred to their homes the remains of officers and enlisted men of the Navy and Marine Corps who die or are killed in action ashore or afloat, and also to enable the Secretary of the Navy, in his discretion, to cause to be transported to their homes the remains of civilian employees who die outside of the continental limits of the United States, \$15,000: *Provided, That no deduction shall hereafter be made from the six months' gratuity pay allowed under the naval act of August twenty-second, nineteen hundred and twelve, on account of expenses for preparation and transportation of the remains: Provided further, That the sum herein appropriated shall be available for payment for transportation of the remains of officers and men who have died while on duty at any time since April twenty-first, eighteen hundred and ninety-eight, and shall be available until June thirtieth, nineteen hundred and seventeen.* Transportation of remains.

In all, Bureau of Medicine and Surgery, \$682,000.

## BUREAU OF SUPPLIES AND ACCOUNTS.

Pay of the  
Navy.

**PAY OF THE NAVY:** Pay and allowances prescribed by law of officers on sea duty and other duty, \$10,598,933; officers on waiting orders, \$500,000; officers on the retired list, \$3,070,230; clerks to paymasters at yards and stations, general storekeepers ashore and afloat, and receiving ships and other vessels, \$320,520; two clerks to general inspectors of the Pay Corps, \$3,625; one clerk to pay officer in charge of deserters' rolls, \$2,000; not exceeding ten clerks to accounting officers at yards and stations, \$17,355; dental surgeon at Naval Academy, \$2,400; commutation of quarters for officers on shore not occupying public quarters, including boatswains, gunners, carpenters, sailmakers, machinists, pharmacists, and mates, naval constructors and assistant naval constructors, \$550,000; and also members of Nurse Corps (female), \$1,000; for hire of quarters for officers serving with troops where there are no public quarters belonging to the Government, and where there are not sufficient quarters possessed by the United States to accommodate them, or commutation of quarters not to exceed the amount which an officer would receive were he not serving with troops, \$1,000; pay of enlisted men on the retired list, \$340,000; extra pay to men reenlisting under honorable discharge, \$927,000; interest on deposits by men, \$15,520; pay of petty officers, seamen, landsmen, and apprentice seamen, including men in the engineers' force and men detailed for duty with the *Fish Commission*, *forty-eight thousand men*, and for the pay of enlisted men detailed for duty with the *Naval Militia*, \$23,616,000; and the number of enlisted men shall be exclusive of those undergoing imprisonment with sentence of dishonorable discharge from the service at expiration of such confinement, \$200,000; and as many machinists as the President may from time to time deem necessary to appoint, not to exceed twenty in any one year, \$200,000; and three thousand five hundred apprentice seamen under training at training stations, and on board training ships, at the pay prescribed by law, \$742,560; pay of the Nurse Corps, \$116,940; rent of quarters for members of the Nurse Corps, \$15,480; in all, \$41,240,563; and the money herein specifically appropriated for "Pay of the Navy" shall be disbursed and accounted for in accordance with existing law as "Pay of the Navy," and for that purpose shall constitute one fund.

Personnel  
act, section 9  
repealed.

*Section nine of the naval personnel act of March third, eighteen hundred and ninety-nine, entitled, "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," be, and the same is hereby, repealed.*

Transfers  
from retired to  
active list.

*That the President be, and he is hereby, authorized, within two years of the date of the approval of this act,*



by and with the advice and consent of the Senate, to transfer to the active list of the Navy or Marine Corps any officer who may have been transferred from the active to the retired list of the Navy under the provisions of section nine of said personnel act: *Provided, That such officer shall be transferred to the place on the active list which he would have held if he had not been retired and shall be carried as an additional number in the grade to which he may be transferred or at any time thereafter promoted: Provided further, That such officer shall stand a satisfactory physical and professional examination as now prescribed by law: And provided further, That any officer transferred to the active list shall not by the passage of this act be entitled to back pay or allowances of any kind.*

*That the President of the United States be, and he is hereby, authorized to restore Constantine Marrast Perkins, now a lieutenant colonel on the retired list, to the active list of the Marine Corps, in the grade of colonel, to take rank in said grade next after George Barnett, who was the officer immediately above the said Constantine Marrast Perkins in the list of lieutenant colonels at the date said Constantine Marrast Perkins was retired from active service with the rank of lieutenant colonel: Provided, That the said Constantine Marrast Perkins shall establish to the satisfaction of the Secretary of the Navy, by examination pursuant to law, his physical, mental, moral, and professional fitness to perform the duties of colonel: Provided further, That the said Constantine Marrast Perkins shall be carried, while on the active list, as additional to the number in the grade to which he may be advanced pursuant to this act until such time as a vacancy occurs in said grade: And provided further, That the said Constantine Marrast Perkins shall not, by the passage of this act, be entitled to any back pay or allowances.*

Lieut. Col.  
Constantine M.  
Perkins, re-  
stored to active  
list.

*Hereafter officers of the Navy and Marine Corps appointed student naval aviators, while lawfully detailed for duty involving actual flying in air craft, including balloons, dirigibles, and aeroplanes, shall receive the pay and allowances of their rank and service plus thirty-five per centum increase thereof; and those officers who have heretofore qualified, or may hereafter qualify, as naval aviators, under such rules and regulations as have been or may be prescribed by the Secretary of the Navy, shall, while lawfully detailed for duty involving actual flying in air craft, receive the pay and allowances of their rank and service plus fifty per centum increase thereof. Hereafter enlisted men of the Navy or Marine Corps, while detailed for duty involving actual flying in air craft, shall receive the pay, and the permanent additions thereto, including allowances, of their rating and service, or rank and service, as the case may be, plus fifty per*

Aviators,  
pay of.



*centum increase thereof: Provided, That not more than a yearly average of forty-eight officers and ninety-six enlisted men of the Navy and twelve officers and twenty-four enlisted men of the Marine Corps, detailed for duty involving actual flying in air craft, shall receive any increase in pay while on duty involving actual flying in air craft, nor shall any officer in the Navy senior in rank to commander, nor any officer in the Marine Corps senior in rank to major, receive any increase in pay or allowances by reason of such detail or duty.*

Gratuity pay  
in case of  
death of avi-  
ator.

*In the event of the death of an officer or enlisted man of the Navy or Marine Corps from wounds or disease, the result of an aviation accident, not the result of his own misconduct, received while engaged in actual flying in or in handling air craft, the gratuity to be paid under the provisions of the act approved August twenty-second, nineteen hundred and twelve, entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and thirteen, and for other purposes," shall be an amount equal to one year's pay at the rate received by such officer or enlisted man at the time of the accident resulting in his death.*

Pension of in-  
jured aviator.

*In all cases where an officer or enlisted man of the Navy or Marine Corps dies, or where an enlisted man of the Navy or Marine Corps is disabled by reason of any injury received or disease contracted in line of duty, the result of an aviation accident, received while employed in actual flying in or in handling air craft, the amount of pension allowed shall be doubled that authorized to be paid should death or the disability have occurred by reason of an injury received or disease contracted in line of duty, not the result of an aviation accident.*

*All acts or parts of acts in so far as they are inconsistent with the provisions of this act are hereby repealed.*

*The Paymaster General of the Navy shall cause to be paid to Mrs. Connie Billingsley, mother of the late William D. Billingsley, ensign, United States Navy, an amount equal to six months' pay at the rate received by that officer at the date of his death, less not exceeding \$75, expenses of interment.*

Naval Re-  
serve, creation  
of.

*There is hereby established a United States naval reserve, which shall consist of citizens of the United States who have been or may be entitled to be honorably discharged from the Navy after not less than one four-year term of enlistment or after a term of enlistment during minority. The naval reserve shall be organized under the Bureau of Navigation and shall be governed by the Articles for the Government of the Navy and by the Naval Regulations and Instructions.*

Naval Re-  
serve, status  
of members of.

*Whenever actively employed with the Navy, or whenever employed in authorized travel to and from prescribed active duty with the Navy, its members shall be employed as members of the naval reserve and shall while so employed be held and*

considered to be in all respects in the same status as enlisted men of the Navy on active duty, except that they shall not be advanced in rating in time of peace. When not actively employed with the Navy, members of the naval reserve shall not be entitled to any pay, bounty, gratuity, or pension, except the pay expressly provided for members of the naval reserve by the provisions of this act, nor shall they be entitled to retirement by reason of such service in the naval reserve.

Enlistments in the naval reserve shall be made in the rating in which last honorably discharged from the Navy for a period of four years unless sooner discharged by competent authority. No man shall be first enlisted in the naval reserve after eight years from the date of his last discharge from the Navy nor unless he be found to be physically fit to perform the duties of the rating in which last discharged, nor shall any man whose last service in the Navy was terminated by any means other than by an honorable discharge be eligible for enlistment in the naval reserve. Reenlistments in the naval reserve shall be made under such regulations as may be prescribed by the Secretary of the Navy.

Naval Reserve, enlistments in.

Enlistments in the naval reserve shall be made in two classes. Class one shall consist of those men who enlist in the naval reserve within four months from the date of their last honorable discharge from the Navy. Class two shall consist of those men who enlist in the naval reserve after four months and within eight years from the date of their last honorable discharge from the Navy.

In addition to the enlistments in the naval reserve above provided, the Secretary of the Navy is authorized to transfer to the naval reserve at the expiration of an enlistment any enlisted man of the Navy who may, after two years from the date of approval of this act, complete service in the Navy of sixteen, or twenty or more years and be entitled at the expiration of his enlistment to an honorable discharge. Such transfers shall only be made upon voluntary application and in the rating in which then serving, and the men so transferred shall be continued in the naval reserve until discharged by competent authority.

Naval Reserve, transfers to.

Members of the naval reserve of class one and men transferred to the naval reserve shall be required to keep on hand such part of the uniform clothing outfit as may be prescribed by the Secretary of the Navy, and all members of the naval reserve shall be issued a distinctive badge or button which may be worn with civilian dress.

Naval Reserve, badge of.

Members of class one who have served less than eight years in the Navy shall be paid at the rate of \$30 per annum, and those who have served eight or more years and less than twelve years in the Navy shall be paid at the rate of \$60 per annum and those who have served twelve or more years in the Navy, \$100 per annum. All

Naval Reserve, pay of.



*members of the naval reserve of class two shall be paid at the rate of \$12 per annum, and when first called into active service on board a vessel of the Navy shall receive an allowance for an outfit of clothing not exceeding \$30 in value, to be expended under regulations prescribed by the Secretary of the Navy.*

*Members of the naval reserve who have when transferred to the naval reserve, completed service in the Navy of sixteen, or twenty or more years shall be paid at the rate of one-third, and one-half, respectively, of the base pay, plus permanent additions thereto, which they were receiving at the close of their last service in the Navy.*

Naval Reserve, service required of members of.

*Members of the naval reserve may, in time of peace, be required to perform not less than one month's active service on board a vessel of the Navy, during each year of service in the naval reserve, and such active service shall not exceed two months in any one year: Provided, That the aforesaid active service with the Navy may be required at any time after entrance in the naval reserve. In time of war they may be required to perform active service with the Navy throughout the war, not to exceed the term of enlistment in the case of those enlisted in the naval reserve. Any pay which may be due any member of the naval reserve shall be forfeited when so ordered by the Secretary of the Navy upon the failure, under such conditions as may be prescribed by the Secretary of the Navy, of such man to report for muster and inspection.*

*Those members of the naval reserve of class one, and those members who have been transferred to the naval reserve, who reenlist in the Navy within four months from the date of their discharge from the naval reserve, shall not be entitled to a gratuity of four months' pay, but their reenlistment in the Navy shall be held and considered to have been made within four months from the date of discharge from the Navy for the purpose of continuous-service pay. The period of time during which members of the naval reserve were actively employed with the Navy while enlisted in the naval reserve shall, for the purposes of retirement, be counted as active service in the Navy in the case of those who reenlist in the Navy after service in the naval reserve.*

Naval Reserve, enlisted men on retired list to active service.

*The Secretary of the Navy is authorized in time of war, or when, in the opinion of the President, war is threatened, to call any enlisted man on the retired list into active service for such duty as he may be able to perform. While so employed such enlisted men shall receive the same pay and allowances they were receiving when placed on the retired list: Provided, That enlisted men on the retired list shall not be eligible for enlistment in or transfer to the naval reserve.*

*The sum of \$130,000 is hereby appropriated to carry into effect the foregoing provisions relating to a naval reserve.*



*That hereafter the commander in chief of the United States Atlantic Fleet, the commander in chief of the United States Pacific Fleet, and the commander in chief of the Asiatic Fleet, respectively, shall each, after being designated as such commander in chief by the President, and from the date of assuming command of such fleet until his relinquishment of such command, have the rank and pay of an admiral; and in each of the above-named fleets the officer serving as second in command thereof shall each, after being designated as such second in command by the President, and from the date of assuming duty as such second in command until his relinquishment of such duty, have the rank and pay of a vice admiral; and the grades of admiral and vice admiral in the Navy are hereby reestablished and authorized for the purposes of this section. The annual pay of an admiral shall be \$10,000, and of a vice admiral \$9,000: Provided, That in time of peace officers to serve as commander in chief and as second in command of the three said fleets shall be designated from among the rear admirals on the active list of the Navy: Provided further, That nothing herein contained shall create any vacancy in any grade in the Navy nor increase the total number of officers allowed by existing law, and that when an officer is detached from duty as such commander in chief or as such second in command, as above provided, he shall return to his regular rank in the list of rear admirals and shall thereafter receive only the pay and allowances of such regular rank.*

Admiral and vice admiral, grades of, established.

Pay and allowances of.

*The title of paymaster's clerk in the United States Navy is hereby changed to pay clerk, and hereafter all pay clerks shall be warranted from acting pay clerks, who shall be appointed from enlisted men in the Navy holding acting or permanent appointments as chief petty officers who have served at least three years as enlisted men, at least two years of which service must have been on board a cruising vessel of the Navy. All appointments as acting pay clerks shall be made by the Secretary of the Navy, and all such appointees, in addition to the qualifications above set forth, must be citizens of the United States. All acting appointments herein provided for shall be made permanent under regulations established by the Secretary of the Navy: Provided, That paymasters' clerks now in the Navy whose total service as such is less than one year and who are citizens of the United States may, upon the passage of this act, be given appointments as acting pay clerks without previous service as enlisted men: Provided further, That paymasters' clerks now in the service and former paymasters' clerks whose appointments have been revoked within six months next preceding the passage of this act, who have had not less than one year's actual service as such, and who are citizens of the United States, may, upon the passage of*

Pay clerks, appointment of.

Previous service as enlisted men.

Pay and allowances.	<p><i>this act, be warranted as pay clerks without previous service as enlisted men or as acting pay clerks: And provided further, That pay clerks and acting pay clerks shall have the same pay, allowances, and other benefits as are now or may hereafter be allowed other warrant officers and acting warrant officers, respectively.</i></p>
Chief pay clerks.	<p><i>That all pay clerks shall, after six years' service as such, be commissioned chief pay clerks and shall on promotion have the rank, pay, and allowances of chief boatswain: Provided, That in computing the six years' service herein provided for credit shall be given for all service in the Navy as pay clerk, acting pay clerk, and paymaster's clerk: Provided further, That paymasters' clerks now in the Navy and former paymasters' clerks whose appointments have been revoked within six months next preceding the passage of this act, who have had not less than six years' actual service as such, and who are citizens of the United States, may, upon the passage of this act, be commissioned as chief pay clerks without previous service as enlisted men, acting pay clerks, or pay clerks.</i></p>
Pay clerks, number of.	<p><i>That the total number of chief pay clerks, pay clerks, and acting pay clerks allowed by this act shall not exceed one for each two hundred and fifty enlisted men in the United States Navy now or hereafter allowed by law, and such chief pay clerks, pay clerks, and acting pay clerks shall be assigned to duty with pay officers under such</i></p>
Appointment of.	<p><i>rules as the Secretary of the Navy may prescribe: Provided, That no person shall be appointed a chief pay clerk, pay clerk, or acting pay clerk under any provisions contained in this act until his physical, mental, moral, and professional qualifications have been satisfactorily established by examination before a board of examining officers appointed by the Secretary of the Navy, from officers of the pay corps when practicable and according to such regulations as he may prescribe: Provided further, That no person shall be appointed a chief pay clerk,</i></p>
Length of service.	<p><i>pay clerk, or acting pay clerk unless his accumulated previous service in the Army, Navy, and Marine Corps, together with his possible future service prior to attaining the age of sixty-two years, will amount to at least thirty years, except that this proviso shall not apply to such persons as were serving in the Navy as paymasters' clerks during the period from September first, nineteen hundred and thirteen, to October thirty-first, nineteen hundred and thirteen.</i></p>
Age.	<p><i>That the limitation as to age contained in section thirteen hundred and seventy-nine of the Revised Statutes of the United States, relating to appointment of assistant paymasters in the United States Navy, shall not apply to chief pay clerks and pay clerks appointed under the provisions of this act, who must be between the ages of twenty-one and thirty-five years at the time of appointment as assistant paymasters in the United States</i></p>

*Navy: Provided, That this shall not be construed as giving any preference in said appointment of assistant paymasters to said chief pay clerks and pay clerks except as to the limitation of age.*

*That sections thirteen hundred and eighty-six, thirteen hundred and eighty-seven, and thirteen hundred and eighty-eight of the Revised Statutes, and all acts and parts of acts, so far as they are in conflict with the provisions of this act, be, and the same are hereby, repealed.*

PROVISIONS, NAVY: For provisions and commuted rations for the seamen and marines, which commuted rations may be paid to caterers of messes, in case of death or desertion, upon orders of the commanding officers, commuted rations for officers on sea duty (other than commissioned officers of the line, Medical and Pay Corps, chaplains, chief boatswains, chief gunners, chief carpenters, chief machinists, and chief sailmakers) and midshipmen, and commuted rations stopped on account of sick in hospital and credited at the rate of 50 cents per ration to the naval hospital fund; subsistence of officers and men unavoidably detained or absent from vessels to which attached under orders (during which subsistence rations to be stopped on board ship and no credit for commutation therefor to be given): and for subsistence of female nurses, and Navy and Marine Corps general courts-martial prisoners undergoing imprisonment with sentences of dishonorable discharge from the service at the expiration of such confinement: *Provided, That the Secretary of the Navy is authorized to commute rations for such general courts-martial prisoners in such amounts as seem to him proper, which may vary in accordance with the location of the naval prison, but which shall in no case exceed 30 cents per diem for each ration so commuted: and for the purchase of United States Army emergency rations as required; in all, \$7,601,914 to be available until the close of the fiscal year ending June thirtieth, nineteen hundred and seventeen.*

Provisions,  
Navy.

MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS: For fuel; the removal and transportation of ashes from ships of war; books, blanks, stationery, including stationery for commanding and navigating officers of ships, chaplains on shore and afloat, and for the use of courts-martial on board ship; purchase, repair, and exchange of typewriters for ships; packing boxes and materials; interior fittings for general storehouses, pay offices, and accounting offices in navy yards; coffee mills and repairs thereto; expenses of naval clothing factory and machinery for the same; modernizing laboratory equipment and bringing the same up to date; purchase of articles of equipage at home and abroad under the cognizance of the Bureau of Supplies and Accounts, and for the payment of labor in equipping vessels therewith, and the manufacture of such articles in the several navy yards; musical

Maintenance.



instruments and music; mess outfits; soap on board naval vessels; athletic outfits; tolls, ferriages, yeomen's stores, safes, newspapers, and other incidental expenses; labor in general storehouses, paymasters' offices, and accounting offices in navy yards and naval stations, including naval stations maintained in island possessions under the control of the United States, and expenses in handling stores purchased and manufactured under "General account of advances"; and reimbursement to appropriations of the Department of Agriculture of cost inspection of meats and meat food products for the Navy Department: *Provided, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for chemists and for clerical, inspection, and messenger service in the general storehouses, paymasters' offices, and accounting offices of the navy yards and naval stations for the fiscal year ending June thirtieth, nineteen hundred and sixteen, shall not exceed \$643,000; in all, \$1,829,400.55.*

Freight.

FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS: All freight and express charges pertaining to the Navy Department and its bureaus, except the transportation of coal for the Bureau of Supplies and Accounts, \$625,000.

Fuel and transportation.

FUEL AND TRANSPORTATION: Coal and other fuel for steamers' and ships' use, including expenses of transportation, storage, and handling the same; maintenance and general operation of machinery of naval coaling depots and coaling plants; water for all purposes on board naval vessels; and ice for the cooling of water, including the expense of transportation and storage of both, \$4,500,000: *Provided, That hereafter, when the lowest obtainable cost of transportation of fuel between the Atlantic and Pacific coasts of the United States by merchant carriers is considered excessive, the appropriation "Fuel and transportation" may be charged with the expense of pay, transportation, shipping, and subsistence of civilian officers and crews, and such other incidental expenses as can not be paid from other appropriations, of naval auxiliaries engaged in the transportation of fuel: Provided, That the appropriation "Maintenance of naval auxiliaries" is insufficient therefor.*

Costs of naval colliers may be charged.

BUREAU OF CONSTRUCTION AND REPAIR.

Construction and repair of vessels.

CONSTRUCTION AND REPAIR OF VESSELS: For preservation and completion of vessels on the stocks and in ordinary; purchase of materials and stores of all kinds; steam steerers, pneumatic steerers, steam capstans, steam windlasses, and all other auxiliaries; labor in navy yards and on foreign stations; purchase of machinery and tools for use in shops; carrying on work of experimental model tank and wind tunnel; designing naval vessels; construc-

tion and repair of yard craft, lighters, and barges; wear, tear, and repair of vessels afloat; general care, increase, and protection of the Navy in the line of construction and repair; incidental expenses for vessels and navy yards, inspectors' offices, such as photographing, books, professional magazines, plans, stationery, and instruments for drafting room, and for pay of classified force under the bureau; for hemp, wire, iron, and other materials for the manufacture of cordage, anchors, cables, galleys, and chains; specifications for purchase thereof shall be so prepared as shall give fair and free competition; canvas for the manufacture of sails, awnings, hammocks, and other work; interior appliances and tools for manufacturing purposes in navy yards and naval stations; and for the purchase of all other articles of equipment at home and abroad; and for the payment of labor in equipping vessels therewith and manufacture of such articles in the several navy yards; naval signals and apparatus, other than electric, namely, signals, lights, lanterns, rockets, running lights, lanterns and lamps and their appendages for general use on board ship for illuminating purposes, and oil and candles used in connection therewith; bunting and other materials for making and repairing flags of all kinds; for all permanent galley fittings and equipage; rugs, carpets, curtains, and hangings on board naval vessels, \$9,106,127: *Provided*, That no part of this sum shall be applied to the repair of any wooden ship when the estimated cost of such repairs, to be appraised by a competent board of naval officers, shall exceed ten per centum of the estimated cost, appraised in like manner, of a new ship of the same size and like material: *Provided further*, That no part of this sum shall be applied to the repair of any other ship when the estimated cost of such repairs, to be appraised by a competent board of naval officers, shall exceed twenty per centum of the estimated cost, appraised in like manner, of a new ship of the same size and like material: *Provided further*, That nothing herein contained shall deprive the Secretary of the Navy of the authority to order repairs of ships damaged in foreign waters or on the high seas, so far as may be necessary to bring them home. And the Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on a submarine torpedo boat of the "E" type in a sum not to exceed \$100,000: *Provided further*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for clerical, drafting, inspection, watchmen (ship keepers), and messenger service in navy yards, naval stations, and offices of superintending naval constructors for the fiscal year ending June thirtieth, nineteen hundred and sixteen, shall not exceed \$958,100.

Improvement  
of construction  
plants.

Portsmouth.

Boston.

New York.

Philadelphia.

Norfolk.

Charleston.

Mare Island.

Puget Sound.

Assistant  
naval con-  
structors, in-  
crease of.

IMPROVEMENT OF CONSTRUCTION PLANTS: For repairs and improvement of machinery and implements at plant at navy yard, Portsmouth, New Hampshire, \$10,000.

For repairs and improvement of machinery and implements at plant at navy yard, Boston, Massachusetts, \$10,000.

For repairs and improvement of machinery and implements at plant at navy yard, New York, New York, \$20,000.

For repairs and improvement of machinery and implements at plant at navy yard, Philadelphia, Pennsylvania, \$15,000.

For repairs and improvement of machinery and implements at plant at navy yard, Norfolk, Virginia, \$15,000.

For repairs and improvement of machinery and implements at plant at navy yard, Charleston, South Carolina, \$15,000.

For repairs and improvement of machinery and implements at plant at navy yard, Mare Island, California, \$15,000.

For repairs and improvement of machinery and implements at plant at navy yard, Puget Sound, Washington, \$10,000.

*Officers of the line of the Navy who have had not less than three years' service in the grade of ensign and have taken or are taking satisfactorily a post-graduate course in naval architecture under orders from the Secretary of the Navy shall be eligible for transfer to the grade of assistant naval constructor: Provided, That there shall not be more than five such transfers in any one calendar year and that the total increase in the number of naval constructors and assistant naval constructors by reason of such transfers shall not exceed twenty-four.*

#### BUREAU OF STEAM ENGINEERING.

Engineering.

ENGINEERING: For repairs, preservation, and renewal of machinery, auxiliary machinery, and boilers of naval vessels, yard craft, and ships' boats; distilling and refrigerating apparatus; repairs, preservation, and renewal of electric interior and exterior signal communications and all electrical appliances of whatsoever nature on board naval vessels, except range finders, battle order and range transmitters and indicators, and motors and their controlling apparatus used to operate machinery belonging to other bureaus; maintenance of coast signal service, including the purchase of land as necessary for sites for radio shore stations; equipage, supplies, and materials under the cognizance of the bureau required for the maintenance and operation of naval vessels, yard craft, and ships' boats; purchase, installation, repair, and preservation of machinery, tools, and appliances in navy yards



and stations; pay of classified force under the bureau; incidental expenses for naval vessels, navy yards and stations, inspectors' offices, the engineering experiment station, such as photographing, technical books, and periodicals, stationery, and instruments; instruments and apparatus, supplies, and technical books and periodicals necessary to carry on experimental and research work in radiotelegraphy at the naval radio laboratory: *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for clerical, drafting, inspection, and messenger service in navy yards, naval stations, and offices of United States inspectors of machinery and engineering material for the fiscal year ending June thirtieth, nineteen hundred and *sixteen*, shall not exceed \$650,000: *Provided further*, That the sum to be paid out of this appropriation for the purchase of land for sites for radio shore stations shall not exceed \$10,000: *Provided further*, That the total expenditures under this appropriation at the naval radio laboratory shall not exceed \$5,000; in all, engineering, \$7,742,973.

*High-power radio stations*: Toward the purchase and preparation of necessary sites, purchase and erection of towers and buildings, and the purchase and installation of machinery and apparatus of high-power radio stations (cost not to exceed \$1,500,000), to be located as follows: One in the Isthmian Canal Zone, one on the California coast, one in the Hawaiian Islands, one in American Samoa, one on the island of Guam, and one in the Philippine Islands, \$400,000, to be available until expended.

High-power radio stations.

Engineering experiment station, United States Naval Academy, Annapolis, Maryland—Experimental and research work: For original investigation and extended experimentation of naval appliances; and for the purchase of such machines and auxiliaries considered applicable for test and use in the naval service, and for maintenance of buildings and grounds, \$60,000.

Engineering experiment station, Annapolis, Md.

Equipment of building: For extension of steam, air, and water lines, and electric circuits; for foundations for machinery; for purchase and installation of additional testing instruments and apparatus, \$20,000.

Equipment of building.

#### NAVAL ACADEMY.

PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY: One professor of mathematics, one of mechanical drawing, one of English, one of French, and one of Spanish, at \$3,000 each.

Organization, professors, instructors, classified service, pay of.

Three professors, namely, one of English, one of French, and one of Spanish, at \$2,640 each.

Five instructors, at \$2,400 each.

Four instructors, at \$2,160 each.

Ten instructors, at \$1,800 each.

No part of any sum in this act appropriated shall be expended in the pay or allowances of any commissioned officer of the Navy detailed for duty as an instructor at the United States Naval Academy to perform duties which were performed by civilian instructors on January 1, 1913.

One swordmaster, \$1,600; one assistant, \$1,200; and two assistants at \$1,000 each; two instructors in physical training, at \$1,500 each; and one assistant instructor in physical training, at \$1,000; and one instructor in gymnastics, \$1,200; one assistant librarian, \$2,160; one cataloguer, \$1,200; and two shelf assistants, at \$900 each; one secretary of the Naval Academy, \$2,400; two clerks, at \$1,500 each; four clerks, at \$1,200 each; four clerks, at \$1,000 each; four clerks, at \$900 each; two clerks, at \$840 each; one draftsman, \$1,200; one surveyor, \$1,200; services of organist at chapel, \$300; one captain of the watch, \$924; one second captain of the watch, \$828; twenty-two watchmen, at \$732 each; three telephone switchboard operators, at \$600 each. In all, pay of professors and others, Naval Academy, \$118,556.

DEPARTMENT OF ORDNANCE AND GUNNERY: One mechanic, \$960, and one at \$750; one armorer, \$660; one chief gunner's mate, \$540; three quarter gunners, at \$480 each; in all, \$4,350.

DEPARTMENTS OF ELECTRICAL ENGINEERING AND PHYSICS: One electrical machinist, at \$1,100; one electrical machinist, at \$1,000; two mechanics, at \$1,000 each; in all, \$4,100.

DEPARTMENT OF SEAMANSHIP: One cockswain, \$480; three seamen, at \$420 each; in all, \$1,740.

DEPARTMENT OF MARINE ENGINEERING AND NAVAL CONSTRUCTION: One master machinist, \$1,900, and one assistant, \$1,300; one pattern maker, \$1,300; one boiler maker, one blacksmith, three machinists, one molder, and one coppersmith, at \$1,180 each; one draftsman, \$2,000; machinists and other employees, \$6,768; in all, \$21,528.

COMMISSARY DEPARTMENT: One chief cook, \$1,200; four cooks, at \$600 each, and eight assistants, at \$300 each; one steward, \$1,200; and one assistant, \$600; one head waiter, \$720, and two assistants, at \$480 each; two pantry men, at \$420 each; one chief baker, at \$1,200; one baker, \$600; two assistants, at \$540 each, and one assistant, \$420; necessary waiters, at \$16 per month each, \$13,440; one messenger to the superintendent, \$600; twenty-seven attendants, at \$300 each; in all, \$35,760.

In all, civil establishment, \$186,034.

Miscellaneous expenses.

CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY: Text and reference books for use of instructors; stationery, blank books and forms, models, maps, and periodicals; apparatus and materials for instruction in physical training and athletics; expenses of lectures and entertainments not exceeding \$1,000, including pay and

expenses of lecturer; chemicals, philosophical apparatus and instruments, stores, machinery, tools, fittings, apparatus, and materials for instruction purposes, \$28,000.

Purchase, binding, and repair of books for the library (to be purchased in the open market on the written order of the superintendent), \$2,500.

Expenses of the Board of Visitors of the Naval Academy, being actual expenses while engaged upon duties as members of the board not to exceed \$5 a day and actual expenses of travel by the shortest mail routes, and for clerk hire, and other incidental and necessary expenses of the board, \$500.

Board of  
Visitors, ex-  
penses of.

For contingencies for the superintendent of the academy, to be expended in his discretion, \$2,500.

Contingen-  
cies.

In all, current and miscellaneous expenses, \$33,500.

MAINTENANCE AND REPAIRS, NAVAL ACADEMY: For general maintenance and repairs at the Naval Academy, namely: For necessary repairs of public buildings, wharves, and walls inclosing the grounds of the Naval Academy, improvements, repairs, and fixtures; for books, periodicals, maps, models, and drawings; purchase and repair of fire engines; fire apparatus and plants; machinery; purchase and maintenance of all horses and vehicles for use at the academy, *including the maintenance, operation, and repair of three horse-drawn passenger-carrying vehicles to be used only for official purposes*; seeds and plants; tools and repairs of the same; stationery; furniture for Government buildings and offices at the academy; coal and other fuel; candles, oil, and gas; attendance on light and power plants; cleaning and clearing up station and care of buildings; attendance on fires, lights, fire engines, fire apparatus, and plants, and telephone, telegraph, and clock systems; incidental labor; advertising, water tax, postage, telephones, telegrams, tolls, and ferriage; flags and awnings; packing boxes; fuel for heating and lighting bandsmen's quarters; pay of inspectors and draftsmen; music, musical and astronomical instruments; and for the pay of employees on leave, \$275,000.

Maintenance  
and repairs.

Rent of buildings for the use of the academy, and commutation of rent for bandsmen, at \$8 per month each, \$4,116.

Rent of  
buildings.

In all, Naval Academy, \$498,650.

#### MARINE CORPS.

PAY, MARINE CORPS: For pay and allowances prescribed by law of officers on the active list, including clerks for assistant paymasters, five, \$980,799.50: *Provided, That the increased compensation as now fixed by law for the Marine Corps for foreign shore service shall hereafter be paid to the officers and enlisted men of that corps while on sea duty, in the same manner and under*

Pay.

Officers on  
the active list.



*the same conditions as is provided by the act approved May thirteenth, nineteen hundred and eight, for officers of the Navy.*

Officers on  
the retired list.

For pay of officers prescribed by law, on the retired list: For three major generals, four brigadier generals, *six* colonels, *five* lieutenant colonels, ten majors, *nineteen* captains, *twelve* first lieutenants, four second lieutenants, and one paymaster's clerk, and for officers who may be placed thereon during the year, including such increased pay as is now or may hereafter be provided for retired officers regularly assigned to active duty, \$189,702.50.

Enlisted men  
on the active  
list.

Pay of enlisted men, active list: Pay of noncommissioned officers, musicians, and privates, as prescribed by law, and the number of enlisted men shall be exclusive of those undergoing imprisonment with sentence of dishonorable discharge from the service at the expiration of such confinement, and for the expenses of clerks of the United States Marine Corps traveling under orders, and including additional compensation for enlisted men of the Marine Corps regularly detailed as gun captains, gun pointers, mess sergeants, cooks, messmen, signalmen, or holding good-conduct medals, pins, or bars, including interest on deposits by enlisted men, post-exchange debts of deserters, under such rules as the Secretary of the Navy may prescribe, and the authorized travel allowance of discharged enlisted men and for prizes for excellence in gunnery exercise and target practice, both afloat and ashore: *Provided, That the number of gunnery sergeants heretofore authorized is increased by twenty; that the number of sergeants heretofore authorized is increased by twenty; that the number of corporals heretofore authorized is increased by seventy; and that the number of privates heretofore authorized is decreased by one hundred and ten.* In all, \$2,932,764.05.

Enlisted men  
on the retired  
list.

For pay and allowances prescribed by law of enlisted men on the retired list: For *six* sergeants major, one drum major, *twenty-six* gunnery sergeants, *twenty-nine* quartermaster sergeants, thirty-six first sergeants, *seventy-one* sergeants, *twenty* corporals, *twenty* first-class musicians, one drummer, one trumpeter, one fifer, and *twenty-six* privates, and for those who may be retired during the fiscal year, \$160,857.

Undrawn  
clothing.

Undrawn clothing: For payment to discharged enlisted men for clothing undrawn, \$120,000.

Mileage.

Mileage: For mileage to officers traveling under orders without troops, \$45,000.

Commutation  
of quarters.

For commutation of quarters of officers on duty without troops where there are no public quarters, \$46,000.

Civil force,  
pay of.

PAY OF CIVIL FORCE: In the office of the major general commandant: One chief clerk, at \$2,000; one clerk, at \$1,400; one messenger, at \$971.28.

In the office of the paymaster: One chief clerk, at \$2,000; one clerk, at \$1,500; one clerk, at \$1,200.

In the office of the adjutant and inspector: One chief clerk, at \$2,000; one clerk, at \$1,500; one clerk, at \$1,400; one clerk, at \$1,200.

In the office of the quartermaster: One chief clerk, at \$2,000; one clerk, at \$1,500; two clerks, at \$1,400 each; two clerks, at \$1,200 each; one draftsman, at \$1,800.

In the office of the assistant quartermaster, San Francisco, California: One chief clerk, at \$1,800.

In the office of the assistant quartermaster, Philadelphia, Pennsylvania: One chief clerk, at \$1,800; one messenger, at \$840; in the quartermaster's department, for duty where their services are required, four clerks, at \$1,400 each.

In all, for pay of civil force, \$35,711.28, and the money herein specifically appropriated for pay of the Marine Corps shall be disbursed and accounted for in accordance with existing law as pay of the Marine Corps, and for that purpose shall constitute one fund.

In all, pay, Marine Corps, \$4,510,834.33.

#### MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS.

PROVISIONS, MARINE CORPS: For noncommissioned officers, musicians, and privates serving ashore; subsistence and lodging of enlisted men when traveling on duty, or cash in lieu thereof; commutation of rations to enlisted men regularly detailed as clerks and messengers; payments of board and lodging of applicants for enlistment while held under observation, recruits, and recruiting parties; transportation of provisions, and the employment of necessary labor connected therewith; ice machines and their maintenance where required for the health and comfort of the troops and for cold storage; ice for offices and preservation of rations, \$890,000. No law shall be construed to entitle enlisted men on shore duty to any rations or commutation therefor other than such as are now or may hereafter be allowed enlisted men in the Army: *Provided, however,* That when it is impracticable or the expense is found greater to supply marines serving on shore duty in the island possessions and on foreign stations with the Army ration, such marines may be allowed the Navy ration or commutation therefor: *Provided,* That hereafter so much of this appropriation as may be necessary may be applied for the purchase, for sale to officers, enlisted men, and civilian employees, of such articles of subsistence stores as may from time to time be designated and under such regulations as may be prescribed by the Secretary of the Navy.

Provisions,  
Marine Corps.

CLOTHING, MARINE CORPS: For noncommissioned officers, musicians, and privates, authorized by law, \$620,063.

Clothing.

FUEL, MARINE CORPS: For heat and light for the authorized allowance of quarters for officers and enlisted men,

Fuel.

and other buildings and grounds pertaining to the Marine Corps; fuel, electricity, and oil for cooking, power, and other purposes; and sales to officers, \$164,000.

Military stores.

MILITARY STORES, MARINE CORPS: Pay of chief armorer, at \$4 per diem; one mechanic, at \$3 per diem; two mechanics, at \$2.50 each per diem; one chief electrician, at \$4 per diem, and one assistant electrician, at \$3.50 per diem; per diem of enlisted men employed on constant labor for periods of not less than ten days; purchase of military equipments, such as rifles, revolvers, cartridge boxes, bayonet scabbards, haversacks, blanket bags, canteens, rifle slings, swords, drums, trumpets, flags, waistbelts, waist plates, cartridge belts, spare parts for repairing rifles, machetes, purchase and repair of tents, field cots, field ovens, and stoves for tents; purchase and repair of instruments for bands, purchase of music and musical accessories; purchase and marking of prizes for excellence in gunnery and rifle practice; good-conduct badges; medals awarded to officers and enlisted men by the Government for conspicuous, gallant, and special service; incidental expenses of schools of application; construction, equipment, and maintenance of school, library, and amusement rooms and gymnasiums for enlisted men, and the purchase and repair of all articles of field sports for enlisted men; purchase and repair of signal equipment and stores; establishment and maintenance of targets and ranges, renting ranges, construction of buildings for temporary shelter and preservation of stores, and entrance fees in competitions; procuring, preserving, and handling ammunition and other necessary military supplies; in all, \$307,737.

Transportation and recruiting.

TRANSPORTATION AND RECRUITING, MARINE CORPS: For transportation of troops and of applicants for enlistment between recruiting stations and recruit depots or posts, including ferriage and transfers en route, or cash in lieu thereof; toilet kits for issue to recruits upon their first enlistment and the expense of the recruiting service, \$317,000.

Repair of barracks, Washington.

REPAIRS OF BARRACKS, MARINE CORPS: Repairs and improvements to barracks, quarters, and other public buildings at posts and stations; for the renting, leasing, improvement, and erection of buildings in the District of Columbia, and at such other places as the public exigencies require; and for per diem to enlisted men employed under the direction of the Quartermaster's Department on the repair of barracks, quarters, and other public buildings on constant labor for periods of not less than ten days, \$140,000.

Forage.

FORAGE, MARINE CORPS: For forage in kind and stabling for public animals of the Quartermaster's Department and the authorized number of officers' horses, \$22,200.



COMMUTATION OF QUARTERS, MARINE CORPS: Commutation of quarters for officers serving with troops where there are no public quarters belonging to the Government, and where there are not sufficient quarters possessed by the United States to accommodate them; commutation of quarters for enlisted men employed as clerks and messengers in the offices of the commandant, adjutant and inspector, paymaster, and quartermaster, and the offices of the assistant adjutant and inspectors, assistant paymasters, assistant quartermasters, at \$21 each per month, and for enlisted men employed as messengers in said offices, at \$10 each per month, \$79,000. Commutation of quarters.

CONTINGENT, MARINE CORPS: For freight, expressage, tolls, cartage, advertising, washing of bed sacks, mattress covers, pillow cases, towels, and sheets, funeral expenses of officers and *enlisted men and retired enlisted men of the Marine Corps*, including the transportation of bodies and their arms and wearing apparel from the place of demise to the homes of the deceased in the United States; stationery and other paper, printing and binding; telegraphing, rent of telephones; purchase, repair, and exchange of typewriters; apprehension of stragglers and deserters; per diem of enlisted men employed on constant labor for periods of not less than ten days; employment of civilian labor; purchase, repair, and installation and maintenance of gas, electric, sewer, and water pipes and fixtures; office and barracks furniture, camp and garrison equipage and implements; mess utensils for enlisted men; packing boxes, wrapping paper, oilcloth, crash, rope, twine, quarantine fees, camphor and carbolyzed paper, carpenters' tools, tools for police purposes, safes; purchase, repair, and maintenance of such harness, wagons, motor wagons, carts, drays, *motor-propelled and horse-drawn passenger-carrying vehicles, to be used only for official purposes*, and other vehicles as are required for the transportation of troops and supplies and for official military and garrison purposes; purchase of public horses and mules; services of veterinary surgeons, and medicines for public animals, and the authorized number of officers' horses; purchase of mounts and horse equipment for all officers below the grade of major required to be mounted; shoeing for public animals and the authorized number of officers' horses; purchase and repair of hose, fire extinguishers, hand grenades, carts, wheelbarrows, and lawn mowers; purchase, installation, and repair of cooking and heating stoves and furnaces; purchase of towels, soaps, combs, and brushes for offices; postage stamps for foreign and registered postage; books, newspapers, and periodicals; improving parade grounds; repair of pumps and wharves; water; straw for bedding, mattresses; mattress covers, pillows, sheets; furniture for Government quarters and repair of same; packing and Contingent expenses.

crating officers' allowance of baggage on change of station; deodorizers, lubricants, disinfectants; and for all emergencies and extraordinary expenses arising at home and abroad, but impossible to anticipate or classify, \$460,000.

In all, for the maintenance of Quartermaster's Department, Marine Corps, \$3,000,000; and the money herein specifically appropriated for the maintenance of the Quartermaster's Department, Marine Corps, shall be disbursed and accounted for in accordance with existing law as maintenance, Quartermaster's Department, Marine Corps, and for that purpose shall constitute one fund.

Total Marine Corps, exclusive of public works, \$7,510,834.33.

#### INCREASE OF THE NAVY.

Two battle-ships.

That for the purpose of further increasing the Naval Establishment of the United States the President is hereby authorized to have constructed two first-class battleships, carrying as heavy armor and as powerful armament as any vessel of their class, to have the highest practicable speed and greatest desirable radius of action, and to cost, exclusive of armor and armament, not to exceed \$7,800,000 each.

Six torpedo-boat destroyers.

Six torpedo-boat destroyers, *to have a speed of not less than thirty knots per hour and to cost, exclusive of armor and armament, not to exceed \$925,000 each.*

Where built.

*Provided, That three of said torpedo-boat destroyers herein authorized shall be built on the Pacific coast: Provided further, That the cost of construction on the Pacific coast does not exceed the cost of construction on the Atlantic coast plus the cost of transportation from the Atlantic to the Pacific.*

Two seagoing submarines.

Two submarines to be of seagoing type to have a surface speed of *twenty-five knots or more if possible, but not less than twenty knots, to cost, exclusive of armor and armament, not exceeding \$1,500,000 each, and sixteen submarines to cost, exclusive of armor and armament, not exceeding \$550,000 each, and the sum of \$4,090,000 is hereby appropriated for said purposes to be available until expended.*

Sixteen submarines, coast defense.

*The following sums are hereby reappropriated out of the unobligated balances of the following appropriations for the Naval Establishment for the fiscal year ending June thirtieth, nineteen hundred and fourteen:*

*"Equipment of vessels," \$625,000; "Steam machinery," \$175,000, and made available for the construction of the submarine torpedo boats herein authorized.*

Where built.

*Five of the submarine torpedo boats herein authorized shall be built on the Pacific coast: Provided, That the cost of construction on the Pacific coast does not exceed the cost of construction on the Atlantic coast plus the cost of transportation from the Atlantic to the Pacific.*

*One oil-fuel ship, to cost, exclusive of armor and armament, not to exceed \$1,140,000.* One oil-fuel ship.

The Secretary of the Navy shall build any of the vessels herein authorized in such navy yards as he may designate should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels: *Provided, That the Secretary of the Navy is hereby authorized to build any of the vessels herein authorized in such navy yards as he may designate.* May be built in navy yards.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and machinery of vessels heretofore and herein authorized, to be available until expended, \$20,664,459. Construction and machinery.

INCREASE OF THE NAVY; TORPEDO BOATS: On account of submarine torpedo boats heretofore authorized, to be available until expended, \$1,341,344. Torpedo boats.

INCREASE OF THE NAVY, EQUIPMENT: *The unexpended balance on June thirtieth, nineteen hundred and fifteen, shall be transferred to appropriation "Increase of the Navy, construction and machinery," and beginning with July first, nineteen hundred and fifteen, equipment outfits shall be charged to appropriation "Increase of the Navy, construction and machinery."* Equipment.

INCREASE OF THE NAVY; ARMOR AND ARMAMENT: Toward the armor and armament for vessels heretofore and herein authorized, to be available until expended, \$18,957,998: *Provided, That the committee appointed by the act of June thirtieth, nineteen hundred and fourteen (Public, numbered one hundred and twenty-one), is hereby continued to the regular session of Congress convening in December, nineteen hundred and fifteen, for the purpose of making such further investigation and report as may be deemed advisable.* Armor and armament.

Total increase of the Navy heretofore and herein authorized; \$45,053,801.

*The Secretary of the Navy is hereby directed to submit to the next regular session of Congress a report on building four warships of the type, power, and speed which, in his judgment based on the knowledge gained from the prevailing war in Europe, are best suited for war on the sea; also to report, in the light of that war, the value and uses in naval warfare of aeroplanes, dirigibles, balloons, and submarines.* Report to be submitted on building four warships and air craft.

Of each of the sums appropriated by this act, except such amounts as may be required to meet obligations authorized in previous acts and for which contracts have been made, no part shall be used to procure through purchase or contract any vessels, armament, articles, or Manufacture within navy yards.



Time-measuring device for gauging employee's time.

materials, which the navy yards, gun factories, or other industrial plants operated by the Navy Department are equipped to supply, unless such Government plants are operated approximately at their full capacity for not less than one regular shift each working day, except when contract costs are less than costs in said Government plants, and except when said Government plants are unable to complete the work within the time required, and except in cases of emergency: *Provided, That no part of the appropriations made in this act shall be available for the salary or pay of any officer, manager, superintendent, foreman, or other person having charge of the work of any employee of the United States Government while making or causing to be made with a stop watch or other time-measuring device a time study of any job of any such employee between the starting and completion thereof, or of the movements of any such employee while engaged upon such work; nor shall any part of the appropriations made in this act be available to pay any premium or bonus or cash reward to any employee in addition to his regular wages, except for suggestions resulting in improvements or economy in the operation of any Government plant.*

Conspiracy to monopolize trade.

That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament, or machinery from any persons, firms, or corporations who have combined or conspired to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the States and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates, or machinery shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

Classified service.

That no part of any sum herein appropriated under "Increase of the Navy" shall be used for the payment of any clerical, drafting, inspection, or messenger service, or for the pay of any of the other classified force under the various bureaus of the Navy Department, Washington, District of Columbia.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington, District of Columbia, unless specific authority is given by law for such expenditure.

Approved, March 3, 1915.

FIFTY-FIFTH CONGRESS, THIRD SESSION—MARCH 3, 1899.

PERSONNEL ACT.

And also subsequent legislation showing principal changes affecting the personnel of the Navy.

AN ACT To reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That the officers constituting the Engineer Corps of the Navy be, and are hereby, transferred to the line of the Navy, and shall be commissioned accordingly.

Engineer  
Corps trans-  
ferred to line.

SEC. 2. That engineer officers holding the relative rank of captain, commander, and lieutenant-commander shall take rank in the line of the Navy according to the dates at which they attained such relative rank. Engineer officers graduated from the Naval Academy from eighteen hundred and sixty-eight to eighteen hundred and seventy-six, both years inclusive, shall take rank in the line next after officers in the line who graduated from the Naval Academy in the same year with them: *Provided*, That when the date of a line officer's commission as captain, commander, or lieutenant-commander and the date when the engineer officer attained the same relative rank of captain, commander, or lieutenant-commander are the same, the engineer officer shall take rank after such line officer.

SEC. 3. That engineer officers who completed their Naval Academy course of four years from eighteen hundred and seventy-eight to eighteen hundred and eighty, both inclusive, shall take rank in the line as determined by the Academic Board under the Department's instructions of December first, eighteen hundred and ninety-seven; and engineer officers who completed their Naval Academy course of four years in eighteen hundred and eighty-one and eighteen hundred and eighty-two shall take rank in the line as determined by the merit roll of graduating classes at the conclusion of the six years' course, June, eighteen hundred and eighty-three and eighteen hundred and eighty-four: *Provided*, That those engineer officers who were appointed from civil life, and whose status is not fixed by section two of this act, shall take rank with other line officers according to the dates of their first commissions, respectively: *And provided further*, That the engineer officers who completed their Naval Academy course of four years in eighteen hundred and eighty-one and eighteen hundred and eighty-two

1881-82.

Appoint-  
ments from  
civil life.

shall retain among themselves the same relative standing as shown on the Navy Register at the date of the passage of this act.

Duties of engineer officers.

SEC. 4. That engineer officers transferred to the line who are below the rank of commander, and extending down to, but not including, the first engineer who entered the Naval Academy as cadet midshipman, shall perform sea or shore duty, and such duty shall be such as is performed by engineers in the Navy: *Provided*, That any officer described in this section may, upon his own application, made within six months after the passage of this act, be assigned to the general duties of the line, if he pass the examination now provided by law as preliminary to promotion to the grade he then holds, failure to pass not to displace such officer from the list of officers for sea or shore duty such as is performed by engineers in the Navy.

SEC. 5. That engineer officers transferred to the line to perform engineer duty only who rank as, or above, commander, or who subsequently attain such rank, shall perform shore duty only.

[That officers on the active list of the line of the United States Navy who, under authority of law, now perform engineering duty on shore only are hereby made additional to the numbers in the grades in which they are now serving, and shall be carried as additional to the numbers of each grade to which they may hereafter be promoted: *Provided*, That said officers shall be entitled to all the benefits of retirement under existing or future laws equally with other officers of like rank and service.—Act of March 4, 1911.

Other engineer officers to perform line duties.

SEC. 6. That all engineer officers not provided for in sections four and five transferred to the line shall perform the duties now performed by line officers of the same grade: *Provided*, That after a period of two years subsequent to the passage of this act they shall be required to pass the examination now provided by law as preliminary to promotion to the grade they then hold, and subject to existing law governing examinations for promotion.

Memo: See increase in numbers. Act Mar. 3, 1903.

SEC. 7. That the active list of the line of the Navy, as constituted by section one of this act, shall be composed of eighteen rear-admirals, seventy captains, one hundred and twelve commanders, one hundred and seventy lieutenant-commanders, three hundred lieutenants, and not more than a total of three hundred and fifty lieutenants (junior grade) and ensigns: *Provided*, That each rear-admiral embraced in the nine lower numbers of that grade shall receive the same pay and allowance as are now allowed a brigadier-general in the Army. Officers, after performing three years' service in the grade of ensign, shall, after passing the examinations now required by law, be eligible to promotion to the grade of

Rear-admiral, nine lower.

Memo: See increase in pay. Act May 13, 1908.



lieutenant (junior grade): *Provided*, That when the office of chief of bureau is filled by an officer below the rank of rear-admiral, said officer shall, while holding said office, have the rank of rear-admiral and receive the same pay and allowance as are now allowed a brigadier-general in the Army: *And provided further*, That nothing contained in this section shall be construed to prevent the retirement of officers who now have the rank or relative rank of commodore with the rank and pay of that grade: *And provided further*, That all sections of the Revised Statutes which, in defining the rank of officers or positions in the Navy, contain the words "the relative rank of" are hereby amended so as to read "the rank of," but officers whose rank is so defined shall not be entitled, in virtue of their rank to command in the line or in other staff corps. Neither shall this act be construed as changing the titles of officers in the staff corps of the Navy. No appointments shall be made of civil engineers in the Navy on the active list under section fourteen hundred and thirteen of the Revised Statutes in excess of the present number, twenty-one.

Chief of bureau.

Commodore.

Civil engineers.

[That the appointment of six additional civil engineers is hereby authorized, three to be appointed during the present calendar year, and the other three in the calendar year of nineteen hundred and three.—Act July 1, 1902.

Memo: See increase in numbers. Act Mar. 3, 1903.

[*Provided*, That assistant civil engineers, during the first five years after date of appointment, shall receive per annum, when on duty, one thousand five hundred dollars, when on leave or waiting orders, one thousand dollars; during the second five years after such date, when on duty, one thousand eight hundred dollars, when on leave or waiting orders, one thousand two hundred dollars; and after ten years from such date, when on duty, two thousand one hundred dollars, and when on leave or waiting orders, one thousand four hundred dollars: *And provided further*, That promotions in the corps of civil engineers shall be after such examinations as the Secretary of the Navy may prescribe.—Act March 3, 1903.

Memo: See increase in pay. Act May 13, 1908.

[That from and after the passage of this act the allowances of civil engineers and professors of mathematics in the Navy shall be the same as are or may be provided by or in pursuance of law for naval constructors, and the allowances of assistant civil engineers the same as for assistant naval constructors.—Act June 29, 1906.

[That the Chief of the Bureau of Yards and Docks shall be selected from the members of the Corps of Civil Engineers of the Navy having not less than seven years' active service.—Act June 29, 1906.

SEC. 8. That officers of the line in the grades of captain, commander, and lieutenant-commander may, by official application to the Secretary of the Navy, have their names placed on a list which shall be known as the list of "Applicants for voluntary retirement," and when at the

Voluntary retirement.

Three -  
fourths sea pay  
of next higher  
grade.

Memo :  
Amended to  
grade from  
which retired.  
Act Aug. 22,  
1912.

Involuntary  
retirement.

end of any fiscal year the average vacancies for the fiscal years subsequent to the passage of this act above the grade of commander have been less than thirteen, above the grade of lieutenant-commander less than twenty, above the grade of lieutenant less than twenty-nine, and above the grade of lieutenant (junior grade) less than forty, the President may, in the order of the rank of the applicants, place a sufficient number on the retired list with the rank and three-fourths the sea pay of the next higher grade, as now existing, including the grade of commodore, to cause the aforesaid vacancies for the fiscal year then being considered.

SEC. 9. That should it be found at the end of any fiscal year that the retirements pursuant to the provisions of law now in force, the voluntary retirements provided for in this act, and casualties are not sufficient to cause the average vacancies enumerated in section eight of this act, the Secretary of the Navy shall, on or about the first day of June, convene a board of five rear-admirals, and shall place at its disposal the service and medical records on file in the Navy Department of all the officers in the grades of captain, commander, lieutenant-commander, and lieutenant. The board shall then select, as soon as practicable after the first day of July, a sufficient number of officers from the before-mentioned grades, as constituted on the thirtieth day of June of that year, to cause the average vacancies enumerated in section eight of this act. Each member of said board shall swear, or affirm, that he will, without prejudice or partiality, and having in view solely the special fitness of officers and the efficiency of the naval service, perform the duties imposed upon him by this act. Its finding, which shall be in writing, signed by all the members, not less than four governing, shall be transmitted to the President, who shall thereupon, by order, make the transfer of such officers to the retired list as are selected by the board: *Provided*, That not more than five captains, four commanders, four lieutenant-commanders, and two lieutenants are so retired in any one year. The promotions to fill the vacancies thus created shall date from the thirtieth day of June of the current year: *And provided further*, That any officer retired under the provisions of this section shall be retired with the rank and three-fourths the sea pay of the next higher grade, including the grade of commodore, which is retained on the retired list for this purpose.

Three -  
fourths sea pay  
of next higher  
grade.

Memo :  
Amended to  
grade from  
which retired.  
Act Aug. 22,  
1912.

[Hereafter, if any officer of the United States Navy shall fail in his physical examination for promotion and be found incapacitated for service by reason of physical disability contracted in the line of duty, he shall be retired with the rank to which his seniority entitled him to be promoted.—Act March 4, 1911.

[Hereafter any naval officer on the retired list may, with his consent, in the discretion of the Secretary of the Navy, be ordered to such duty as he may be able to perform at sea or on shore, and while so employed in time of peace shall receive the pay and allowances of an officer of the active list of the same rank: *Provided*, That no such retired officer so employed on active duty shall receive in time of peace, any greater pay and allowances than the pay and allowances which are now or may hereafter be provided by law for a lieutenant senior grade on the active list of like length of service: *And provided further*, That any such officer whose retired pay exceeds the highest pay and allowances of the grade of lieutenant senior grade, shall, while so employed in time of peace, receive his retired pay only, in lieu of all other pay and allowances.—Act August 22, 1912.

SEC. 10. That of the naval constructors five shall have the rank of captain, five of commander, and all others that of lieutenant commander or lieutenant. Assistant naval constructors shall have the rank of lieutenant or lieutenant (junior grade). Assistant naval constructors shall be promoted to the grade of naval constructor after not less than eight or more than fourteen years' service as assistant naval constructor: *Provided*, That the whole number of naval constructors and assistant naval constructors on the active list shall not exceed forty in all.

Naval constructors.

[That, in addition to the number of naval constructors and assistant naval constructors now authorized, the appointment of six assistant naval constructors is hereby authorized, two to be appointed during the present calendar year and the remaining four in the calendar year of nineteen hundred and three.—Act July 1, 1902.

Memo: Number in corps increased to 75. Act Mar. 3, 1903.

SEC. 11. That any officer of the Navy, with a creditable record, who served during the Civil War, shall, when retired, be retired with the rank and three-fourths the sea pay of the next higher grade.

Civil-war service, officers when retired get three-fourths sea pay of next higher grade.

[That any officer of the Navy not above the grade of captain who served with credit as an officer or as an enlisted man in the regular or volunteer forces during the Civil War prior to April ninth, eighteen hundred and sixty-five, otherwise than as a cadet, and whose name is borne on the official register of the Navy, and who has heretofore been, or may hereafter be, retired on account of wounds or disability incident to the service or on account of age or after forty years' service, may, in the discretion of the President, by and with the advice and consent of the Senate, be placed on the retired list of the Navy with the rank and retired pay of one grade above that actually held by him at the time of retirement: *Provided*, That this act shall not apply to any officer who received an advance of grade at or since the date of his retirement or who has been restored to the Navy and

Memo: Act Mar. 3, 1909, includes grade of rear admiral, lower nine.



placed on the retired list by virtue of the provisions of a special act of Congress.—Act of June 29, 1906.

Warrant of-  
ficers.

Memo: Act  
Mar. 3, 1909,  
includes ma-  
chinists and  
promotion to  
chief machin-  
ists.

See increase  
in pay, act  
May 13, 1908.

SEC. 12. That boatswains, gunners, carpenters, and sailmakers shall after ten years from date of warrant be commissioned chief boatswains, chief gunners, chief carpenters, and chief sailmakers, to rank with, but after, ensign: *Provided*, That the chief boatswains, chief gunners, chief carpenters, and chief sailmakers shall on promotion have the same pay and allowances as are now allowed a second lieutenant in the Marine Corps: *Provided*, That the pay of boatswains, gunners, carpenters, and sailmakers shall be the same as that now allowed by law: *Provided, further*, That nothing in this act shall give additional rights to quarters on board ship or to command, and that immediately after the passage of this act boatswains, gunners, carpenters and sailmakers, who have served in the Navy as such for fifteen years, shall be commissioned in accordance with the provisions of this section, and thereafter no warrant officer shall be promoted until he shall have passed an examination before a board of chief boatswains, chief gunners, chief carpenters, and chief sailmakers, in accordance with regulations prescribed by the Secretary of the Navy.

[Whenever, in view of the vacancies in the grade of ensign on July thirtieth of any year unfilled by graduates of the Naval Academy, the Secretary of the Navy shall so recommend, the President may appoint to that grade, as of July thirtieth, from among the boatswains, gunners, or warrant machinists not exceeding six in any one calendar year. No person shall be so appointed who is over thirty-five years of age; who has served less than six years as a warrant officer; who is not recommended by a commanding officer under whom he has served; nor until he shall have passed such competitive examination as may be prescribed by the Navy Department.—Act March 3, 1901.

[Hereafter in each calendar year there may, under the restrictions imposed by existing law, be appointed from the boatswains, gunners, and warrant machinists of the Navy twelve ensigns.—Act March 3, 1903.

[That subject to the restrictions imposed by existing law, boatswains, gunners, and warrant machinists shall be eligible for appointment to the grade of ensign after four years' service as warrant officers, and boatswains, gunners, carpenters, and sailmakers shall be eligible for appointment as chief boatswains, chief gunners, chief carpenters, and chief sailmakers after six years from date of warrant.—Act April 27, 1904.

Line offi-  
cers — Medical  
and Pay Corps,  
Army pay.

Memo: See  
increase in pay.  
Act May 13,  
1908.

SEC. 13. That, after June thirtieth, eighteen hundred and ninety-nine, commissioned officers of the line of the Navy and of the Medical and Pay Corps shall receive the same pay and allowances, except forage, as are or may be provided by or in pursuance of law for the officers of

corresponding rank in the Army: [*Provided*, That such officers when on shore shall receive the allowances, but fifteen per centum less pay than when on sea duty; but this provision shall not apply to warrant officers commissioned under section 12 of this act:] *Provided further*, That when naval officers are detailed for shore duty beyond seas they shall receive the same pay and allowances as are or may be provided by or in pursuance of law for officers of the Army detailed for duty in similar places: *Provided further*, That naval chaplains, who do not possess relative rank, shall have the rank of lieutenant in the Navy; and that all officers, including warrant officers, who have been or may be appointed to the Navy from civil life shall, on the date of appointment, be credited for computing their pay, with five years' service. And all provisions of law authorizing the distribution among captors of the whole or any portion of the proceeds of vessels, or any property hereafter captured, condemned as prize, or providing for the payment of bounty for the sinking or destruction of vessels of the enemy hereafter occurring in time of war, are hereby repealed: *And provided further*, That no provision of this act shall operate to reduce the present pay of any commissioned officer now in the Navy; and in any case in which the pay of such an officer would otherwise be reduced he shall continue to receive pay according to existing law: *And provided further*, That nothing in this act shall operate to increase or reduce the pay of any officer now on the retired list of the Navy.

[*Provided*, That officers of the Navy, and officers and enlisted men of the Marine Corps, who have been detailed or may hereafter be detailed, for shore duty in Alaska, the Philippine Islands, Guam, or elsewhere beyond the continental limits of the United States, shall be considered as having been detailed for "shore duty beyond seas," and shall receive pay accordingly, with such additional pay as may be provided by law for service in island possessions of the United States.—Act March 3, 1901.

[That all chaplains now in the Navy above the grade of lieutenant shall receive the pay and allowances of lieutenant-commander in the Navy according to length of service under the provisions of law for that rank, and all chaplains now in the Navy in the grade of lieutenant shall receive their present sea pay when on shore duty: *Provided*, That naval chaplains hereafter appointed shall have the rank, pay, and allowances of lieutenant (junior grade) in the Navy until they shall have completed seven years of service, when they shall have the rank, pay, and allowances of lieutenant in the Navy; and lieutenants shall be promoted, whenever vacancies occur, to the grade of lieutenant-commander, which shall consist of five

NOTE.—Provision in brackets was repealed—Act June 29, 1906.  
Shore duty beyond seas—Army pay, etc.

Chaplains.

Prize money repealed.

No reduction of pay of any officer now commissioned.

Chaplains, pay, etc.

Memo: See also act May 13, 1908.

numbers, and when so promoted shall receive the rank, pay, and allowances of lieutenant-commander in the Navy: *Provided further*, That nothing herein contained shall be held or construed to increase the number of chaplains as now authorized by law or to reduce the rank or pay of any now serving.—Act June 29, 1906.

Warrant ma-  
chinists.  
Memo: Title  
changed to  
machinist and  
grade of chief  
machinist es-  
tablished.

SEC. 14. That upon the passage of this act the Secretary of the Navy shall appoint a board for the examination of men for the position of warrant machinists, one hundred of whom are hereby authorized. The said examination shall be open, first, to all machinists by trade, of good record in the naval service, and if a sufficient number of machinists from the Navy are not found duly qualified, then any machinist of good character, not above thirty years of age, in civil life shall be eligible for such examination and appointment to fill the remaining vacancies. All subsequent vacancies in the list of warrant machinists shall be filled by competitive examination before a board ordered by the Secretary of the Navy, and open to all machinists by trade who are in the Navy, and machinists of good character, not above thirty years of age, in civil life authorized by the Secretary of the Navy to appear before said board, and, where candidates from civil life and from the naval service possess equal qualifications, the preference shall be given to those from the naval service.

[\* \* \* and as many warrant machinists as the President may from time to time deem necessary to appoint, not to exceed twenty in any one year.—Act April 27, 1904.

Pay.  
Memo: See  
also act May  
13, 1908.  
Memo: Title  
changed to ma-  
chinist.

SEC. 15. That the pay of warrant machinists shall be the same as that of warrant officers, and they shall be retired under the provisions of existing law for warrant officers. Warrant machinists shall receive at first an acting appointment, which may be made permanent under regulations established by the Navy Department for other warrant officers. They shall take rank with other warrant officers according to date of appointment and shall wear such uniform as may be prescribed by the Navy Department.

Enlisted  
men—Four  
years' service.  
Memo: For  
pay see act  
May 13, 1908.

SEC. 16. That hereafter the term of enlistment of all enlisted men of the Navy shall be four years: *Provided*, That section fifteen hundred and seventy-three, Revised Statutes, be amended to read: "If any enlisted man or apprentice, being honorably discharged, shall reenlist for four years within four months thereafter, he shall, on presenting his honorable discharge or on accounting in a satisfactory manner for its loss, be entitled to pay during the said four months equal to that to which he would have been entitled if he had been employed in actual service; and that any man who has received an honorable discharge from his last term of enlistment, or who has received a recommendation for reenlistment upon the



expiration of his last term of service of not less than three years, who reenlists for a term of four years within four months from the date of his discharge, shall receive an increase of one dollar and thirty-six cents per month to the pay prescribed for the rating in which he serves for each consecutive reenlistment."

[That the term of enlistment of all enlisted men of the United States Navy other than those who are enlisted during minority shall be four years.

That the term of enlistment of any enlisted man in the Navy may, by his voluntary written agreement, under such regulations as may be prescribed by the Secretary of the Navy with the approval of the President, be extended for a period of either one, two, three, or four full years from the date of expiration of the then existing four-year term of enlistment, and subsequent to said date such enlisted men as extend the term of enlistment as authorized in this section shall be entitled to and shall receive the same pay and allowances in all respects as though regularly discharged and reenlisted immediately upon expiration of their term of enlistment, and such extension shall not operate to deprive them upon discharge at the termination thereof of any right, privilege, or benefit to which they would be entitled at the expiration of a four-year term of enlistment.

That section fifteen hundred and seventy-three of the Revised Statutes of the United States as amended by section sixteen of an act entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," approved March third, eighteen hundred and ninety-nine, be, and the same is hereby, amended to read as follows: "If any enlisted man or apprentice, being honorably discharged, shall reenlist for four years within four months thereafter, he shall, on presenting his honorable discharge or on accounting in a satisfactory manner for its loss, be entitled to a gratuity of four months' pay equal in amount to that which he would have received if he had been employed in actual service: *Provided*, That any enlisted man in the Navy whose term of enlistment has been extended for an aggregate of four years shall, after the expiration of the preceding four-year term of enlistment upon which the extension is made and if otherwise entitled to an honorable discharge, be paid the gratuity above provided: *And provided*, That any man who has received an honorable discharge from his last term of enlistment, or who has received a recommendation for reenlistment upon the expiration of his last term of enlistment, who reenlists for a term of four years within four months from the date of his discharge, shall receive an increase of one dollar and thirty-six cents per month to the pay prescribed for the rating in which he serves for each successive reenlistment: *And provided further*, That

an extension of the period of enlistment as hereinbefore authorized, aggregating four years, shall be held and considered as equivalent to continuous service with respect to all rights, privileges, and benefits granted for such service pursuant to law."

That under such regulations as the Secretary of the Navy may prescribe, with the approval of the President, any enlisted man may be discharged at any time within three months before the expiration of his term of enlistment or extended enlistment without prejudice to any right, privilege, or benefit that he would have received, except pay and allowances for the unexpired period not served, or to which he would thereafter become entitled, had he served his full term of enlistment or extended enlistment: *Provided*, That nothing in this act shall be held to reduce or increase the pay and allowances of enlisted men of the Navy now authorized pursuant to law.—Act August 22, 1912.

Retirement  
of enlisted  
men on three-  
fourths of pay  
and allowances  
of rank or rat-  
ing.

Credit for  
service in Civil  
and Spanish  
War.

SEC. 17. That when an enlisted man or appointed petty officer has served as such thirty years in the United States Navy, either as an enlisted man or petty officer, or both, he shall, by making application to the President, be placed on the retired list hereby created, with the rank held by him at the date of retirement; and he shall thereafter receive seventy-five per centum of the pay and allowances of the rank or rating upon which he was retired: *Provided*, That if said enlisted man or appointed petty officer had active service in the Navy or in the Army or Marine Corps, either as volunteer or regular, during the civil or Spanish-American war, such war service shall be computed as double time in computing the thirty years necessary to entitle him to be retired: *And provided further*, That applicants for retirement under this section shall, unless physically disqualified for service, be at least fifty years of age.

Additional  
allowances.

Credit for  
all service.

[That when an enlisted man shall have served thirty years either in the Army, Navy, or Marine Corps, or in all, he shall, upon making application to the President, be placed upon the retired list, with seventy-five per centum of the pay and allowances he may then be in receipt of, and that said allowances shall be as follows: Nine dollars and fifty cents per month in lieu of rations and clothing and six dollars and twenty-five cents per month in lieu of quarters, fuel, and light: *Provided*, That in computing the necessary thirty years' time all service in the Army, Navy, and Marine Corps shall be credited.]

SEC. 2. That all acts and parts of acts, so far as they conflict with the provisions of this act, are hereby repealed.—Act March 2, 1907.]

[That the advancement in rank of officers of the Navy and Marine Corps, whensoever made, for service rendered during the war with Spain, pursuant, respectively,

to the provisions of sections fifteen hundred and six and sixteen hundred and five of the Revised Statutes, shall not interfere with the regular promotion of officers otherwise entitled to promotion, but officers so advanced, by reason of war service, shall, after they are promoted to higher grades, be carried thereafter as addition to the numbers of each grade to which they may at any time be promoted; and each such officer shall hereafter be promoted in due course, contemporaneously with and to take rank next after the officer immediately above him; and all advancements made by reason of war service shall be appropriately so designated upon the official Navy list: *Provided, however,* That no promotion shall be made to fill a vacancy occasioned by the promotion, retirement, death, resignation, or dismissal of any officer who, at the time of such promotion, retirement, death, resignation, or dismissal, is an additional member of his grade under the foregoing provisions.—Act March 3, 1901.

Carried as additional numbers.

SEC. 18. That from and after the date of the approval of this act the active list of the line officers of the United States Marine Corps shall consist of one brigadier-general commandant, five colonels, five lieutenant-colonels, ten majors, sixty captains, sixty first lieutenants, and sixty second lieutenants: *Provided,* That vacancies in all grades in the line created by this section shall be filled as far as possible by promotion by seniority from the line officers on the active list of said Corps: *And provided further,* That the commissions of officers now in the Marine Corps shall not be vacated by this act: *And provided further,* That vacancies in the grade of brigadier-general shall be filled by selection from officers on the active list of the Marine Corps not below the grade of field officer.

Marine Corps.  
Memo: See increase in numbers. Act May 13, 1908.

Vacancies—how filled.

Existing commissions unaffected.  
Brigadier general.

SEC. 19. That the vacancies existing in said Corps after the promotions and appointments herein provided for shall be filled by the President from time to time, whenever the actual needs of the naval service require it, first, from the graduates of the Naval Academy in the manner now provided by law; or, second, from those who are serving or who have served as second lieutenants in the Marine Corps during the war with Spain; or, third, from meritorious noncommissioned officers of the Marine Corps; or, fourth, from civil life: *Provided,* That after said vacancies are once filled there shall be no further appointments from civil life.

Original vacancies—how filled.

No appointments from civil life thereafter.

SEC. 20. That no person except such officers or former graduates of the Naval Academy as have served in the war with Spain, as hereinbefore provided for, shall be appointed a commissioned officer in the Marine Corps who is under twenty or over thirty years of age; and that no person shall be appointed a commissioned officer in said corps until he shall have passed such examination as

Age limit, etc.

Examination.



may be prescribed by the President of the United States, except graduates of the Naval Academy, as above provided. That the officers of the Marine Corps above the grade of captain, except brigadier-general, shall, before being promoted, be subjected to such physical, mental, and moral examination as is now, or may hereafter be, prescribed by law for other officers of the Marine Corps.

Immediate  
appointments.

SEC. 21. That upon the passage of this act not more than forty-five of the captains, forty-five first lieutenants and forty-five second lieutenants herein provided for shall be appointed; fifteen captains, fifteen first lieutenants and fifteen second lieutenants to be appointed subsequently to January first, nineteen hundred.

Staff.  
Memo: See  
increase in  
force, Act May  
13, 1908.

SEC. 22. That the staff of the Marine Corps shall consist of one adjutant and inspector, one quartermaster and one paymaster, each with the rank of colonel; one assistant adjutant and inspector, two assistant quartermasters and one assistant paymaster, each with the rank of major; and three assistant quartermasters with the rank of captain. That the vacancies created by this act in the departments of the adjutant and inspector and paymaster shall be filled first by promotion according to seniority of the officers in each of these departments respectively, and then by selection from the line officers on the active list of the Marine Corps not below the grade of captain, and who shall have seen not less than ten years' service in the Marine Corps. That the vacancies created by this act in the quartermaster's department of said corps shall be filled, first by promotion according to seniority of the officers in this department, and then by selection from the line officers on the active list of said corps not below the grade of first lieutenant: *Provided*, That all vacancies hereafter occurring in the staff of the Marine Corps shall be filled first by promotion according to seniority of the officers in their respective departments, and then by selection from officers of the line on the active list, as hereinbefore provided for.

Vacancies—  
how filled.

Subsequent  
vacancies.

Enlisted  
force.

SEC. 23. That the enlisted force of the Marine Corps shall consist of five sergeant majors, one drum major, twenty quartermaster sergeants, seventy-two gunnery sergeants with the rank and allowance of the first sergeant, and whose pay shall be thirty-five dollars per month; sixty first sergeants; two hundred and forty sergeants; four hundred and eighty corporals; eighty drummers; eighty trumpeters; and four thousand nine hundred and sixty-two privates.

Pay.

[In addition to the enlisted force of the Marine Corps now authorized by law there may be enlisted ten gunnery-sergeants, forty sergeants, sixty corporals, ten drummers, ten trumpeters, and six hundred and twenty privates.—Act July 1, 1902.

Memo: See  
also act  
May  
13, 1908.

[That from and after the passage of this act, and in order to further increase the efficiency of the Marine

Corps, the following additional officers, noncommissioned officers, drummers, trumpeters, and privates to those now provided by law for said corps, are hereby authorized and directed, namely: One colonel, one lieutenant-colonel, five majors, twelve captains, twenty-five first lieutenants, twelve second lieutenants, one assistant adjutant and inspector with the rank of lieutenant-colonel, two assistant adjutants and inspectors with the rank of major, one assistant quartermaster with the rank of lieutenant-colonel, five assistant quartermasters with the rank of captain, one assistant paymaster with the rank of lieutenant-colonel, one assistant paymaster with the rank of captain, one sergeant-major, forty quartermaster-sergeants, twelve first sergeants, sixty-five sergeants, fifty-five corporals, ten drummers, ten trumpeters, and five hundred and twenty-seven privates: *Provided*, That the vacancies now existing in the line and the staff departments of the Marine Corps and those created by this act below the grade of brigadier-general shall be filled, respectively, first by promotion by seniority and then by selection and appointment as now provided by law, excepting that vacancies in the grade of second lieutenant shall be filled first, as far as practicable, from graduates of the Naval Academy each year on completing the prescribed course at the Naval Academy, exclusive of the probationary tour of sea service before final graduation, then from meritorious noncommissioned officers from civil life between the ages of twenty-one and twenty-seven years: *Provided*, That the commissions of officers now in the Marine Corps shall not be vacated by this act: *And provided further*, That officers selected for appointment to fill vacancies in the grade of field officers in any of the staff departments shall be taken from officers on the active list not below the grade of captain and who have seen not less than seven years' service as commissioned officers in the Marine Corps. And that appointments to the grade of captain in any of the staff departments shall be made from officers on the active list of the Marine Corps, not below the grade of first lieutenant. Act of March 3, 1903.

SEC. 24. That the band of the United States Marine Corps shall consist of one leader, with the pay and allowances of a first lieutenant; one second leader, whose pay shall be seventy-five dollars per month, and who shall have the allowances of a sergeant-major; thirty first-class musicians, whose pay shall be sixty dollars per month; and thirty second-class musicians, whose pay shall be fifty dollars per month and the allowances of a sergeant; such musicians of the band to have no increased pay for length of service.

Band.

[That officers of the Marine Corps with creditable records who served during the civil war shall, when retired, be retired in like manner and under the same con-

ditions as provided for officers of the Navy who served during the civil war.—Act April 27, 1904.

[That any officer of the Marine Corps below the grade of brigadier-general who served with credit as an officer or as an enlisted man in the regular or volunteer forces during the civil war prior to April ninth, eighteen hundred and sixty-five, otherwise than as a cadet, and whose name is borne on the official register of the Marine Corps, and who has heretofore been, or may hereafter be, retired on account of wounds or disability incident to the service, or on account of age or after forty years' service, may, in the discretion of the President, by and with the advice and consent of the Senate be placed on the retired list of the Marine Corps with the rank and retired pay of one grade above that actually held by him, at the time of retirement: *Provided*, That this act shall not apply to any officer who received an advance of grade since the date of his retirement or who has been restored to the Marine Corps and placed on the retired list by virtue of the provisions of a special act of Congress.—Act June 29, 1906.

Oath.

SEC. 25. That the oath of allegiance now provided for the officers and men of the Army and Marine Corps shall be administered hereafter to the officers and men of the Navy.

Repeal of  
conflicting  
acts.

SEC. 26. That all acts and parts of acts, so far as they conflict with the provisions of this act, are hereby repealed.

Approved, March 3, 1899.



# TABLES.

	Page.
<b>Part 1. APPROPRIATIONS (UNITED STATES).</b>	
Table 1.—Appropriations for the Navy (in detail), fiscal years 1884–1916..	433
2.—Summary of naval appropriation acts, fiscal years 1884–1916 . . .	466
3.—Summary of miscellaneous appropriations for the Navy, fiscal years 1884–1916 . . . . .	467
4.—Summary of all appropriations for the Navy, fiscal years 1884–1916 . . . . .	472
5.—Appropriations 1916—Estimates 1917 . . . . .	473
6.—Appropriations for clerical and contingent expenses, Navy Department . . . . .	491
7.—Total United States appropriations for fiscal year ending June 30, 1916 . . . . .	491
8.—Principal items of expenditure (from Paymaster General's annual report for 1915) . . . . .	492
<b>Part 2. SHIPS (UNITED STATES).</b>	
Table 9.—Vessels authorized, 1883 to 1915 (alphabetical) . . . . .	493
10.—Vessels authorized, 1883 to 1915 (by years and sessions) . . . . .	498
11.—History of appropriations for submarines and subsurface boats. . . . .	507
12.—List of submarines (showing contractor and place where built). . . . .	508
13.—List of submarines (when authorized, first and last commission, and price) . . . . .	509
14.—Cost of construction of ships (completed) of the Navy . . . . .	510
15.—Cost of construction of ships (under construction) of the Navy. . . . .	513
16.—Average cost of maintaining ships in commission (by types of ships) . . . . .	513
17.—Armaments and complements of ships . . . . .	514
18.—Summary of vessels in the United States Navy July 1, 1915, by types . . . . .	520
19.—Ages of United States battleships from dates of first commission . . . . .	520
20.—Vessels under construction for the United States Navy . . . . .	521
21.—Time required to build battleships in the United States . . . . .	523
<b>Part 3. PRINCIPAL NAVAL POWERS.</b>	
Table 22.—Time required to build battleships in England . . . . .	524
23.—Warship tonnage of the principal naval powers . . . . .	525
24.—List of battleships and armored cruisers—Great Britain . . . . .	525
25.—List of battleships and armored cruisers—Germany . . . . .	527
26.—List of battleships and armored cruisers—United States . . . . .	528
27.—List of battleships and armored cruisers—France . . . . .	529
28.—List of battleships and armored cruisers—Japan . . . . .	530
29.—List of battleships and armored cruisers—Russia . . . . .	531
30.—List of battleships and armored cruisers—Italy . . . . .	532
31.—List of battleships and armored cruisers—Austria-Hungary . . . . .	533
32.—Summary of battleships and armored cruisers . . . . .	533
33.—Summary of armament, battleships and armored cruisers. . . . .	534
34.—Total naval expenditures by principal naval powers . . . . .	535
35.—War vessels lost by belligerents from July 1, 1914, to August 1, 1915 . . . . .	536
<b>Part 4. MISCELLANEOUS.</b>	
Table 36.—Armor contracts—Bethlehem Steel Co . . . . .	539
37.—Armor contracts—Carnegie Steel Co. . . . .	540
38.—Armor contracts—Midvale Steel Co . . . . .	541
39.—Armor contracts—Carbon Steel Co. . . . .	541
40.—Prices paid for armor by principal naval powers. . . . .	541
41.—Depths of harbors at navy-yard ports . . . . .	542

**Part 4. MISCELLANEOUS—Continued.**

	Page.
Table 42.—Distances by water between navy yards and stations.....	543
43.—United States naval docks.....	544
44.—United States naval marine railways.....	546
45.—Navy fuel.....	546
46.—Consumption of fuel, fiscal years 1906 to 1915.....	547
47.—Fuel ordered during fiscal year 1915.....	547
48.—Deliveries of coal from principal shore stations during fiscal year 1915.....	548
49.—Steaming coal on hand at navy yards and naval stations June 30, 1915, etc.....	549
50.—Shipments of coal in chartered vessels during fiscal years 1914-15.....	550
51.—Panama Canal statistics.....	554
52.—Suez Canal statistics.....	556

**Part 5. PERSONNEL.**

Table 53.—Average number of officers and enlisted men, fiscal year 1915.....	557
54.—Employees in principal navy yards in the United States.....	564
55.—Clerical force of the Naval Establishment.....	564
56.—Clerical force in the Navy Department.....	565
57.—Enlisted strength as fixed by law, March 3, 1885, to March 3, 1915.....	565
58.—Amount appropriated for pay of the Navy from 1885 to 1915 ..	566
59.—Requirements for enlistment.....	566
60.—Statistics relating to enlistments.....	566
61.—Addresses of central recruiting stations.....	567
62.—Citizenship of enlisted force for year ended June 30, 1915.....	567
63.—Percentages of citizenship of enlisted force.....	568
64.—Warrant officers appointed ensigns.....	568
65.—Midshipmen (formerly cadets) at sea and on shore, 1879 to 1915.....	569
66.—Officers on the active list of the Navy, November, 1915.....	569
67.—Actual and authorized strength of the Marine Corps, 1915.....	570
68.—Officers and men on the retired list of the Navy June 30, 1915.....	570
69.—Officers on the retired list of the Marine Corps June 30, 1915.....	571
70.—Sickness, Navy and Marine Corps, and surgical operations during 1914.....	572
71.—Comparative personnel strength of the principal naval powers.....	572
72.—Chronological list of acts relating to personnel.....	573
73.—Pay tables of the Navy and Marine Corps.....	576
74.—Corresponding grades in the Army, Navy, and Marine Corps..	603
75.—Acts relating to retirement.....	603
76.—Officers who have been appointed admirals and vice admirals.....	604

**Part 6. APPENDIX.**

Table 77.—Comparative sea strength.....	605
78.—Ships on the Navy list June 30, 1915.....	607

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916.

[Compiled by the Bureau of Supplies and Accounts, Navy Department, from Treasury Department warrants (i. e., certificates) of moneys appropriated for the Naval Establishment.]

SECRETARY'S OFFICE.									
	1884	1885	1886	1887	1888	1889	1890	1891	
Pay, miscellaneous .....	\$301,334.97	\$341,500.88	\$611,954.97	\$238,203.45	\$219,427.62	\$264,615.41	\$251,784.31	\$259,423.69	
Contingent, Navy .....	100,111.25	57,508.59	76,834.05	10,000.00	7,000.00	58,142.72	7,000.00	7,000.00	
Mileage, Navy and Marine Corps .....			209,808.86	144,453.71		30,051.37	3,905.26	53,034.29	
SECRETARY'S OFFICE.									
	1892	1893	1894	1895	1896	1897	1898	1899	1900
Pay, miscellaneous .....	\$296,408.52	\$273,716.36	\$256,699.62	\$226,380.96	\$304,249.27	\$302,176.82	\$400,237.22	\$400,000.00	\$592,977.30
Contingent, Navy .....	10,062.15	7,000.00	7,000.00	8,526.52	7,000.00	8,958.04	7,240.08	7,000.00	10,432.59
Arms and equipping Naval Militia .....	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	50,000.00	50,000.00	60,000.00	60,000.00
Emergency fund .....								26,001.84	625,652.69
Mileage, Navy and Marine Corps .....	19,279.26	46,567.96	18,319.76	26,256.77	11,037.26	18,097.87	11,822.68	8,210.48	318.60
National defense .....							20,622,415.20	6,197,701.02	1,045,064.40
SECRETARY'S OFFICE.									
	1901	1902	1903	1904	1905	1906	1907	1908	
Pay, miscellaneous .....	\$631,147.65	\$651,525.96	\$634,309.22	\$602,861.71	\$640,744.71	\$675,243.36	\$650,000.00	\$675,002.80	
Contingent, Navy .....	11,340.85	11,590.19	10,000.00	17,410.29	65,113.34	65,000.00	65,000.00	65,000.00	
Arms and equipping Naval Militia .....	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	
Buildings for lepers, island of Guam, etc .....									
Emergency fund .....	495,359.10	206,501.60	112,792.49	37,216.67					16,000.00
National defense .....	203,895.74	24,999.72	17,634.10	664.28	11.44				



Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916—Continued.

	1909	1910	1911	1912	1913	1914	1915	1916
SECRETARY'S OFFICE.								
Pay, miscellaneous.....	\$772,657.04	\$1,008,550.00	\$908,550.00	\$1,109,352.27	\$1,016,619.27	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00
Contingent, Navy.....	65,000.00	46,086.00	76,000.00	46,000.00	46,000.00	110,229.55	150,000.00	46,000.00
Aeronautics.....								1,000,000.00
Advisory Committee for Aeronautics.....								5,000.00
Arming and equipping Naval Militia.....	100,000.00	100,000.00	125,000.00	125,000.00	145,941.14	125,000.00	125,000.00	250,000.00
Arms, uniforms, equipment, Naval Militia.....								200,000.00
Care of lepers, island of Guam, etc.....			14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	200,000.00
Relief of inhabitants, American, Samoa, hurricane damages.....	15,000.00	14,000.00					10,000.00	14,000.00
Committee to investigate cost of United States armor plant.....							5,000.00	
								4,581.57
NAVIGATION.								
Contingent.....								\$15,000.00
Gunnery exercises.....								6,000.00
Ocean and Lake Surveys.....								10,000.00
Naval Home, Philadelphia, Pa.....	\$4,215.33	\$4,234.40	\$7,557.43	\$5,178.13	\$5,000.00	\$5,480.22	\$5,182.32	73,115.00
Naval Asylum.....	59,813.00	59,813.00	59,807.00	63,067.00	63,167.00	82,367.00	68,517.00	
Transportation and recruiting.....	40,000.00	33,524.50	46,588.10	26,990.46	27,406.04	30,920.74	31,652.83	30,474.70
Survey, west coast Mexico, Hydrographic Office.....								
Velocity of light, Nautical Almanac.....				14.56				
Ocean surveys.....	10,000.00		10,000.00	4,000.00	5,000.00	5,000.00	5,000.00	
Publication of surveys, Mexican coast.....				7,000.00	5,000.00	5,000.00	5,000.00	
Outfits for naval apprentices.....								30,000.00
Naval training station, Navigation.....				6,234.20				14,000.00
Naval War College and torpedo school.....				83,960.66	83,500.00	97,818.67	106,151.38	10,000.00
Navigation and navigation supplies.....	100,000.00	87,500.00	96,038.83	2,000.00		32.89		
Compass-testing house.....			5,000.00	9,000.00	9,000.00	9,300.00	9,000.00	
Civil establishment.....	5,000.00	5,000.00						

	1892	1893	1894	1895	1896	1897	1898	1899	1900
NAVIGATION.									
Gunnery exercises.....	\$6,000.00	\$6,000.00	\$6,124.17	\$6,000.00	\$6,252.95	\$6,148.99	\$6,000.00	\$6,000.00	\$12,300.00
Ocean and Lake Surveys.....	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	16,416.60	44,007.52	100,000.03
Naval training station, California.....									30,412.32
Naval training station, Rhode Island.....									30,000.00
Naval War College.....									9,200.00
Naval Home, Philadelphia, Pa.....	71,215.00	70,215.00	69,215.00	80,465.00	79,315.00	79,725.00	78,725.00	77,725.00	76,425.00
Transportation, recruiting, and contingent.....	45,000.00	40,000.00	45,000.00	45,546.00	50,681.30	45,000.00	94,407.46	320,000.00	105,951.48
Ocean surveys.....	577.28								
Outfits for naval apprentices.....	30,000.00	30,000.00	41,610.00	30,000.00	25,000.00	33,750.00	46,372.20	41,250.00	112,500.00
Naval training station, Navigation.....	18,000.00	18,000.00	44,000.00	30,000.00	30,016.69	32,500.00	30,000.00	30,000.00	
Naval training station, Navigation, hospital.....					20,000.00		33.40		
Naval War College and torpedo school.....					10,000.00	11,200.00		19,200.00	
Orduan & Koldetter Engraving Co.....	10,000.00	8,000.00	8,000.00	8,000.00					
Telegraphic cable surveys between San Francisco and Honolulu.....				20,000.00					
Navy transportation, Pacific roads.....	25,000.00		40,109.87	74.09	45,371.70	10,158.77	19,231.68	50,857.07	63,930.43
Naval coast signal system.....								275,000.00	
Transportation of officers' effects.....									2,500.00
NAVIGATION.									
Transportation, Navigation.....									\$724,679.16
Recruiting.....									121,340.00
Contingent.....									15,000.00
Gunnery exercises.....	\$13,068.73		\$16,142.30	\$12,000.00	\$27,684.40	30,386.20	25,000.00	15,000.00	15,000.00
Outfits on first enlistment.....				250,770.20	120,262.88	120,338.88	120,000.00	120,000.00	120,000.00
Maintenance, naval auxiliaries.....					463,610.32	450,121.62	567,000.00	567,000.00	1,022,830.82
Ocean and lake surveys.....	100,425.00	100,050.00	100,000.00	100,885.00	75,000.00	75,000.00	75,000.00	75,000.00	75,000.00
Naval training station, California.....	37,494.32	30,014.31	33,200.65	40,000.00	40,000.00	40,000.00	50,000.00	50,000.00	64,564.05
Naval training station, Rhode Island.....	45,000.00	45,059.60	58,652.00	69,298.68	56,000.00	61,000.00	71,511.50	71,000.00	71,000.00
Naval training station, Great Lakes.....									26,940.00
Naval War College.....	9,200.00	11,200.00	16,346.25	11,200.00	77,344.00	13,300.00	16,900.00	16,900.00	18,700.00
Naval Home, Philadelphia, Pa.....	76,425.00	76,425.00	76,425.00			76,725.00	76,825.00	77,215.00	73,683.00
Transportation, recruiting, and contingent.....	143,804.01	201,463.95	393,410.28						
Outfits for naval apprentices.....	112,500.00	117,336.30	117,000.00						
Outfits for landsmen.....	146,231.28	225,157.50	225,318.99						
Maintenance of colliers.....		350,000.00	412,171.04		422,251.21	393,084.00	393,084.00	450,000.00	
Medals for officers and men.....	25,000.00						10,000.00		
Navy transportation, Pacific roads.....	71,490.21	64,383.28	44,495.78	98,660.84	77,203.10	83,958.85	45,772.40		14,941.19





	1892	1893	1894	1895	1896	1897	1898	1899	1900
ORDNANCE.									
Ordnance and ordnance stores.....	\$155,000.00	\$155,000.00	\$200,000.00	\$200,000.00	\$300,000.00	\$450,000.00	\$700,001.00	\$7,820,000.00	\$2,036,908.80
Modern battery for "Hartford"							150,000.00		
Modern battery for "Chicago"								50,000.00	
Reserve projectiles.....	37,000.00					200,000.00		250,000.00	
Reserve torpedoes and appliances.....									
Torpedoes.....						142,000.00			
Torpedo station, Newport, R. I.....	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	50,000.00	71,500.00	97,500.00	65,000.00
Testing high explosives.....									
Experimenting with armor-piercing projectiles.....								25,000.00	
Repairs, Ordnance.....	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00
Contingent, Ordnance.....	8,200.56	8,082.29	9,097.94	8,338.47	8,000.00	13,950.63	16,101.07	8,000.00	95,005.36
Civil establishment, Ordnance.....	26,824.00	26,824.00	26,824.00	26,824.00	26,824.00	29,324.00	29,324.00	29,324.00	32,624.00
Patent rights, breech-loading ordnance.....									
Reserve guns, auxiliary cruisers.....				25,000.00					
Floating tug or crane.....	30,000.00					400,000.00	250,000.00	250,000.00	250,000.00
ORDNANCE.									
Ordnance and ordnance stores.....	\$1,562,590.00	\$1,825,000.00	\$2,359,486.62	\$2,581,003.04	\$3,529,301.78	\$3,511,300.00	\$4,015,000.00	\$5,289,000.00	\$5,289,000.00
New batteries for ships of the Navy.....									349,200.00
New batteries for "Baltimore"									
New batteries for "Newark"		175,000.00							
New batteries for "New York"			175,000.00						
New batteries for "New Orleans" and "Albany"					100,000.00				
Modernizing batteries, "Massachusetts" and "Oregon," and new guns and armor for "New York"			200,000.00					466,000.00	
Reserve ammunition.....									4,000,000.00
Reserve powder and shell.....									
Reserve torpedoes and appliances.....									
Torpedo station, Newport, R. I.....								2,000,000.00	
Repairs, Ordnance.....									
Contingent, Ordnance.....									
Civil establishment, Ordnance.....									
Reserve guns, auxiliary cruisers.....									
Reserve guns for ships of the Navy.....									
Reserve mines and appliances.....									
Fire control for ships of Navy.....									
Torpedoes and converting torpedo boats.....									
Ordnance machinery, navy yard, New York, N. Y.....									
Ordnance machinery, navy yard, Pensacola, Fla.....									
Ordnance machinery, navy yard, Mare Island, Cal.....									
Ordnance machinery, navy yard, Puget Sound, Wash.....									
Ammunition lighter, naval station, Puget Sound, Wash.....									
Ammunition lighter, naval station, Cavite, P. I., I.....									

	1892	1893	1894	1895	1896	1897	1898	1899	1900
ORDNANCE.									
Ordnance and ordnance stores.....	\$155,000.00	\$155,000.00	\$200,000.00	\$200,000.00	\$300,000.00	\$450,000.00	\$700,001.00	\$7,820,000.00	\$2,036,908.80
Modern battery for "Hartford"							150,000.00		
Modern battery for "Chicago"								50,000.00	
Reserve projectiles.....	37,000.00					200,000.00		250,000.00	
Reserve torpedoes and appliances.....									
Torpedoes.....						142,000.00			
Torpedo station, Newport, R. I.....	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	50,000.00	71,500.00	97,500.00	65,000.00
Testing high explosives.....									
Experimenting with armor-piercing projectiles.....								25,000.00	
Repairs, Ordnance.....	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00
Contingent, Ordnance.....	8,200.56	8,082.29	9,097.94	8,338.47	8,000.00	13,950.63	16,101.07	8,000.00	95,005.36
Civil establishment, Ordnance.....	26,824.00	26,824.00	26,824.00	26,824.00	26,824.00	29,324.00	29,324.00	29,324.00	32,624.00
Patent rights, breech-loading ordnance.....									
Reserve guns, auxiliary cruisers.....				25,000.00					
Floating tug or crane.....	30,000.00					400,000.00	250,000.00	250,000.00	250,000.00
ORDNANCE.									
Ordnance and ordnance stores.....	\$1,562,590.00	\$1,825,000.00	\$2,359,486.62	\$2,581,003.04	\$3,529,301.78	\$3,511,300.00	\$4,015,000.00	\$5,289,000.00	\$5,289,000.00
New batteries for ships of the Navy.....									349,200.00
New batteries for "Baltimore"									
New batteries for "Newark"		175,000.00							
New batteries for "New York"			175,000.00						
New batteries for "New Orleans" and "Albany"				100,000.00					
Modernizing batteries, "Massachusetts" and "Oregon," and new guns and armor for "New York"			200,000.00					466,000.00	
Reserve ammunition.....									4,000,000.00
Reserve powder and shell.....									
Reserve torpedoes and appliances.....									
Torpedo station, Newport, R. I.....							100,000.00	2,000,000.00	250,000.00
Repairs, Ordnance.....							65,000.00	65,000.00	70,000.00
Contingent, Ordnance.....	38,199.48	42,352.78	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00
Civil establishment, Ordnance.....	70,000.00	75,013.39	87,239.06	76,355.80	93,373.86	25,000.00	25,000.00	25,000.00	27,222.60
Reserve guns, auxiliary cruisers.....	32,624.00	36,006.75	41,006.75	46,006.75	47,006.75	47,006.75	47,006.75	47,006.75	47,206.75
Reserve guns for ships of the Navy.....	260,000.00	250,000.00	250,000.00			125,000.00	50,000.00	750,000.00	750,000.00
Reserve mines and appliances.....			250,000.00			125,000.00	150,000.00	100,000.00	300,000.00
Fire control for ships of Navy.....									300,000.00
Torpedoes and converting torpedo boats.....									
Ordnance machinery, navy yard, New York, N. Y.....			11,000.00						
Ordnance machinery, navy yard, Pensacola, Fla.....			12,000.00						
Ordnance machinery, navy yard, Mare Island, Cal.....		24,000.00							
Ordnance machinery, navy yard, Puget Sound, Wash.....			50,000.00						
Ammunition lighter, naval station, Puget Sound, Wash.....		18,000.00							
Ammunition lighter, naval station, Cavite, P. I.....					30,000.00				

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916—Continued.

	1909	1910	1911	1912	1913	1914	1915	1916
ORDNANCE.								
Ordnance and ordnance stores.....	\$8,079,750.17	\$6,228,861.99	\$6,587,345.00	\$6,650,000.00	\$6,550,000.00	\$6,950,000.00	\$6,950,000.00	\$6,945,420.00
Naval Gun Factory, Washington, D. C.....			150,000.00	125,000.00	321,642.44	125,000.00	75,000.00	75,000.00
Powder Factory, Indian Head, Md.....								141,620.00
New batteries for ships of the Navy.....	1,120,000.00	722,000.00	305,000.00	845,000.00	1,307,715.21	414,000.00	390,000.00	100,000.00
New batteries for "Newark".....			8,657.00					
Ammunition for ships of the Navy.....		3,000,000.00	2,500,000.00	2,850,000.00	7,637,361.72	3,850,000.00	3,178,890.00	3,000,000.00
Torpedoes and appliances.....					1,194,643.96	750,000.00	1,000,000.00	1,000,000.00
Reserve torpedoes and appliances.....	300,000.00	625,000.00	650,000.00	650,000.00				
Torpedo station, Newport, R. I.....	70,000.00	170,000.00	130,000.00	70,000.00	130,000.00	95,000.00	95,000.00	130,000.00
Experiments, Bureau of Ordnance.....		100,000.00	100,000.00	100,000.00	173,180.05	200,000.00	150,000.00	100,000.00
Repairs, Ordnance.....	30,000.00	30,849.70	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00
Contingent, Ordnance.....	14,066.00	9,500.00	9,500.00	9,500.00	9,500.00	9,500.00	9,500.00	9,500.00
Civil establishment, Ordnance.....	47,206.75							
Reserve guns for ships of the Navy.....		250,000.00		420,000.00	410,098.14			
Small arms and machine guns.....			250,000.00					
Mines and mine appliances.....			100,000.00					
Fire control for ships of Navy.....	300,000.00	150,000.00	100,000.00	80,000.00	182,976.45			
Torpedoes and converting torpedo boats.....	650,000.00							
Modernizing turrets of ships of the Navy.....		288,000.00	564,000.00		282,630.09			
Modernizing projectiles.....					300,000.00	150,000.00		
		1884	1885	1886	1887	1888	1889	1890
								1891
EQUIPMENT.								
Equipment of vessels.....		\$800,000.00	\$750,463.30	\$1,201,068.69	\$782,200.00	\$625,000.00	\$735,066.87	\$913,550.00
Civil establishment, Equipment.....		9,000.00	9,000.00	9,000.00	16,800.00	11,525.00	11,525.00	19,025.00
Contingent, Equipment.....		18,584.77	11,190.18	42,786.02	20,000.00	15,951.14	16,130.94	10,459.05
Electric welding machine.....								12,000.00
								</

EQUIPMENT.	1901	1902	1903	1904	1905	1906	1907	1908
	\$3,952,072.46 19,052.52 27,503.25 20,000.00	\$1,951,639.04 29,802.52 35,042.22	\$2,854,829.37 31,402.52 35,049.90	\$3,056,276.22 33,602.52 41,537.42	\$3,000,127.78 38,028.00 50,408.27	\$3,001,633.00 38,028.00 14,000.00	\$3,000,000.00 38,028.00 11,000.00	\$3,250,000.00 38,028.00 16,183.21
EQUIPMENT.	1909	1910	1911	1912	1913	1914	1915	1916
	\$3,755,301.07 38,028.00 11,821.00 100,000.00	\$3,981,432.50 11,281.00	\$3,863,322.47 10,000.00	\$3,813,300.00 10,000.00	\$3,813,300.00 10,000.00	\$4,550,000.00 10,000.00		
BUREAU OF YARDS AND DOCKS.								
Maintenance, Yards and Docks. Contingent, Yards and Docks. Civil establishment, Yards and Docks.	1884	1885	1886	1887	1888	1889	1890	1891
	\$264,000.00 20,000.00 24,000.00	\$200,000.00 15,000.00 24,000.00	\$200,000.00 20,000.00 24,000.00	\$170,000.00 20,000.00 62,000.00	\$170,000.00 20,000.00 45,893.69	\$165,000.00 20,000.00 46,586.70	\$165,000.00 20,000.00 46,754.60	\$230,000.00 20,000.00 53,986.04
BUREAU OF YARDS AND DOCKS.	1892	1893	1894	1895	1896	1897	1898	1900
	\$230,000.00 20,000.00 53,197.37	\$230,000.00 15,000.00 61,380.69	\$230,000.00 15,000.00 61,494.54	\$250,000.00 15,000.00 61,494.54	\$250,000.00 15,000.00 61,597.37	\$265,000.00 15,000.00 14,300.00	\$375,000.00 20,000.00 67,110.44	\$400,012.16 30,000.00 83,442.23 10,000.00
BUREAU OF YARDS AND DOCKS.								
Maintenance, Yards and Docks. Contingent, Yards and Docks. Civil establishment, Yards and Docks. Naval Observatory. Naval Observatory, land.	1892	1893	1894	1895	1896	1897	1898	1900
	\$230,000.00 20,000.00 53,197.37	\$230,000.00 15,000.00 61,380.69	\$230,000.00 15,000.00 61,494.54	\$250,000.00 15,000.00 61,494.54	\$250,000.00 15,000.00 61,597.37	\$265,000.00 15,000.00 14,300.00	\$375,000.00 20,000.00 67,110.44	\$400,012.16 30,000.00 83,442.23 10,000.00





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Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916—Continued.

	1892	1893	1894	1895	1896	1897	1898	1899	1900
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS—cont'd.									
Naval training station—									
Rhode Island, buildings								\$50,000.00	\$125,000.00
California, buildings								50,000.00	50,000.00
Naval station, Newport, R. I.								1,000.00	1,000.00
Depots for coal					\$9,000.00	\$1,000.00	\$1,000.00	250,000.00	400,000.00
Naval and coaling stations									
Coaling wharf, Japonski Island, Alaska		\$250,000.00						5,000.00	
Steam tug—									
Navy yard, Mare Island, Cal.				\$50,000.00	30,000.00				
League Island, Pa.					25,000.00				
Naval station, Fort Royal, S. C.						8,000.00			
Tugboat Sound, Wash.							50,000.00		
Steel lighter, navy yard, New York, N. Y.							50,000.00		
Steam lighters, navy yard, League Island, Pa.							20,000.00		
Board on Dry Docks									
Four timber dry docks									30,000.00
Floating dry docks, Gulf coast.									
Dry dock, Puget Sound, Wash.	\$210,000.00			51,079.83	260,000.00	101,230.00		1,000.00	
Steel floating dock, Algiers, La.			\$225,000.00					800,000.00	800,000.00
Dry dock, Algiers, La.			25,000.00	23,025.03				250,000.00	
Repairs to dry dock, Brooklyn, N. Y.								200,000.00	
Construction of dry dock, Fort Royal, S. C.	150,000.00	156,500.00		18,521.42			100,000.00	50,000.00	
Naval magazine—									
Fort Lafayette, N. Y.								15,000.00	5,000.00
New York Harbor.									600,000.00
Fort Mifflin, Pa.						15,000.00			
Norfolk, Va.						50,000.00		45,000.00	
Craney Island	15,000.00								68,000.00
Removal of naval magazine, Craney Island.					75,000.00				27,500.00
Naval magazine—									
Mare Island, Cal.				17,900.00					
Alaska	10,000.00								
Launching ways and slips, New York and Norfolk.	13,000.00								
Housing of vessels								150,000.00	
Buildings and grounds, Naval Academy	19,000.00		56,000.00	28,000.00			2,500.00	505,000.00	720,000.00
Repairs and preservation at navy yards	300,000.00	275,000.00	275,000.00	300,000.00	400,000.00	400,000.00	565,000.00	450,000.00	500,000.00
Naval hospital—									
Chelsea, Mass.							6,000.00		45,000.00
For contagious diseases, Newport, R. I.									
Fort Royal, S. C.							4,000.00	6,500.00	
Mare Island, Cal., medical director's house	15,500.00								



	1901	1902	1903	1904	1905	1906	1907	1908
Naval cemetery— Chelsea, Mass.....								2,500.00
Brooklyn, N. Y.....						1,000.00	1,000.00	
Norfolk, Va.....								
Mare Island, Cal.....					1,000.00			
Marine barracks— Coasters Harbor Island.....		15,000.00						
Port Royal, S. C.....	3,000.00	2,600.00						
Sitka, Alaska.....	431.01							81,000.00
And quarters, Annapolis, Md.....								
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.								
Navy yard— Bristolmouth, N. H.....	\$406,000.00	\$364,850.00	\$872,575.00	\$917,000.00	\$149,000.00	\$400,400.00	\$367,498.33	\$279,900.00
Boston, Mass.....	906,300.00	551,000.00	702,700.00	479,200.00	256,800.00	162,900.00	95,050.00	128,500.00
New York, N. Y.....			560,500.00	313,000.00	371,500.00	82,200.00	128,500.00	263,800.00
Brooklyn, N. Y.....	1,208,900.00	1,009,000.00						
League Island, Pa.....	939,500.00	695,230.00	522,300.00	349,200.00	512,970.00	377,000.00	108,000.00	125,500.00
Washington, D. C.....	444,102.32	318,210.00	240,000.00	274,240.00	575,905.00	137,000.00	63,200.00	85,000.00
Norfolk, Va.....	477,700.00	594,260.00	344,000.00	193,000.00	959,000.00	148,000.00	1,404,500.00	365,500.00
Charleston, S. C.....			913,300.00	300,000.00	706,500.00	306,000.00	471,500.00	287,000.00
Pensacola, Fla.....	9,500.00	41,500.00	2,500.00	30,000.00	94,000.00	135,500.00	40,000.00	242,500.00
Mare Island, Cal.....	478,200.00	331,600.00	225,500.00	188,000.00	260,000.00	322,200.00	143,000.00	248,500.00
Puget Sound, Wash.....	286,165.00	273,000.00	810,500.00	295,200.00	292,500.00	213,500.00	205,000.00	258,500.00
Naval station— New London, Conn.....			41,000.00	2,500.00				
And coaling depot, Port Royal, S. C.....					2,000.00	29,000.00	39,200.00	44,500.00
Key West, Fla.....	207,000.00	144,000.00	118,950.00	165,000.00				
Algiers, La.....	145,000.00	330,000.00						
New Orleans, La.....			339,000.00	111,800.00	271,500.00	95,000.00	215,500.00	156,300.00
Cavite, P. I.....			238,500.00	322,800.00	735,000.00			13,000.00
Culebra, P. R.....								2,000.00
Guantanamo, Cuba.....				300,000.00	385,000.00			
Guam, M. I.....		107,300.00		10,000.00		10,000.00		12,000.00
Honolulu, Hawaii.....								35,000.00
Olongapo, P. I.....		225,000.00	93,000.00		1,806,395.00	100,000.00	207,000.00	90,000.00
Tutula, Samoa.....		40,000.00	50,000.00	39,000.00	5,000.00	1,000.00		6,000.00
San Juan, P. R.....	52,000.00			100,000.00				
Purchase of wharf and adjoining land, Newport, R. I.....								7,840.00
Government landing, Newport, R. I.....								
Naval Observatory, purchase of land.....		149,571.08	28,000.00	25,000.00	34,100.00		9,400.00	12,500.00
Torpedo station buildings.....		25,000.00	5,200.00					
Quarters, Rose Island, Narragansett Bay.....			23,000.00	10,500.00	121,500.00	25,000.00	19,700.00	34,130.00
Naval proving ground, Indianhead, Md.....		36,600.00						

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916.—Continued.

	1901	1902	1903	1904	1905	1906	1907	1908
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS—continued.								
Naval training station—								
Rhode Island, buildings.....	\$88,850.00	\$52,170.00	\$114,280.00	\$232,000.00	\$14,000.00	\$74,500.00	\$162,971.00	\$58,912.00
California, buildings.....	34,750.00	6,814.95	31,500.00	4,250.00	19,000.00	15,000.00	69,750.00	39,000.00
Great Lakes, buildings.....			60,000.00		250,000.00		750,000.00	700,000.00
Naval War College, buildings.....			5,000.00	12,825.00	8,125.00	5,000.00	1,200.00	
Board on naval training station, Great Lakes.....					5,000.00			
Rifle range, Blythe Island, Cal.....		2,000.00						
Depots for coal.....	700,000.00	750,000.00	640,000.00		600,000.00	300,000.00		
Steel tugs, general service.....			140,000.00					
Seagoing tugs.....					350,000.00			
Board on Dry Docks, Columbia River, Oreg.....	1,000.00							
Four timber dry docks.....	900,000.00	1,000,000.00	1,050,000.00	236,035.61				
Dry dock, Habana, Cuba.....	300,000.00			18,733.89	3,199.68			
Steel floating dock, Algiers, La.....	650,000.00							
Dry dock, Charleston, S. C.....		150,000.00						
Board on Naval Magazines, New England coast.....				1,000.00				
Naval magazine—								
New England coast.....								
Fort Lafayette, N. Y.....	15,000.00		25,000.00		70,000.00		200,000.00	130,000.00
New York Harbor.....			49,500.00	114,200.00		4,000.00	2,000.00	
Dover, N. J.....	100,000.00	100,000.00	80,000.00	19,600.00	10,000.00	22,650.00	5,100.00	23,950.00
Fort Mifflin, Pa.....		56,000.00	5,000.00		20,000.00	16,550.00	6,000.00	22,000.00
Norfolk, Va.....	20,000.00	60,500.00	46,500.00	11,000.00	11,100.00	18,000.00	25,000.00	9,684.00
Water system, Fort Norfolk, Va.....				1,500.00				14,000.00
Naval magazine—								
Pensacola, Fla.....			80,000.00				5,000.00	
Mare Island, Cal.....			50,000.00		2,200.00		11,300.00	50,000.00
Puget Sound, Wash.....								75,000.00
Philippine Islands.....					50,000.00			
Survey of harbor, Island of Guam.....	10,000.00		30,000.00	30,000.00	45,000.00	30,000.00	30,000.00	30,000.00
Plans and specifications.....					300,000.00		43,837.47	95,000.00
Consolidating power plants, navy yards, and stations.....								
Equipping navy yards for construction of vessels.....			175,000.00					
Dredging, Dry Tortugas, Fla.....	100,000.00	100,000.00						
Buildings and grounds, Naval Academy.....	350,000.00	3,000,000.00	500,000.00	3,050.00	3,000,000.00	800,000.00	750,000.00	380,000.00
Repairs and preservation at navy yards.....	534,582.04	510,000.00	502,242.53	502,155.57	500,000.00	500,000.00	500,000.00	516,102.88
Naval hospital—								
Chelsea, Mass.....						20,000.00		
New York, N. Y.....	5,000.00			20,000.00				
Newport, R. I.....	20,000.00	20,000.00					20,000.00	
Washington, D. C.....				125,000.00	20,000.00			60,000.00
Norfolk, Va.....					20,000.00		100,000.00	
Pensacola, Fla.....								25,000.00
Mare Island, Cal.....	10,000.00		30,000.00				25,000.00	

	1909	1910	1911	1912	1913	1914	1915	1916
Puget Sound, Wash.								75,000.00
Yokohama, Japan.								
Caucaeo, P. I., New York, N. Y.			50,000.00	25,000.00			5,000.00	
Repairs to naval laboratory, New York, N. Y.			10,761.00	75,000.00			7,000.00	
Naval medical supply depot, Caucaeo, P. I.								25,000.00
Buildings, Bureau of Steam Engineering, Annapolis, Md.				400,000.00				
Marine barracks—								
Navy yard, Brooklyn, N. Y.		28,000.00						
League Island, Pa.			2,290.26					
Washington, D. C.			4,000.00	66.97	150,000.00	25,000.00		80,000.00
And quarters—								
Annapolis, Md.								
Algeris, La.			5,000.00	5,000.00	6,500.00		15,000.00	
Building for offices, Washington, D. C.		85,000.00						
Repair and improvement to public buildings, Marine Corps, Philippine Islands.		15,000.00						
Barracks and quarters, Marine Corps.		50,000.00						
			147,000.00	219,000.00	268,500.00	11,000.00	196,400.00	267,000.00
						25,000.00		
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.								
Navy yard—								
Portsmouth, N. H.	\$251,647.80	\$96,500.00	\$55,250.00	\$229,000.00	\$44,000.00	\$35,000.00	\$170,000.00	\$25,000.00
Boston, Mass.	197,800.00	210,000.00	105,000.00	277,000.00	240,000.00	129,300.00	143,500.00	135,000.00
New York, N. Y.	280,000.00	392,330.00	1,266,000.00	879,000.00	125,000.00	270,000.00	265,000.00	555,000.00
Philadelphia, Pa.	130,000.00	467,600.00	215,000.00	100,000.00	150,367.19	223,491.99	100,000.00	145,000.00
Washington, D. C.	48,000.00	60,000.00	146,000.00	109,500.00	200,000.00	53,000.00	25,000.00	130,000.00
Norfolk, Va.	705,000.00	300,000.00	895,000.00	332,500.00	138,288.73	262,500.00	189,000.00	95,000.00
Charleston, S. C.	167,000.00	135,500.00		70,000.00		159,000.00		15,000.00
Pensacola, Fla.	36,800.00	20,000.00	2,000.00	345,000.00	80,000.00	80,000.00	257,000.00	65,000.00
Maro Island, Cul.	211,000.00	620,636.40	102,000.00	989,000.00	227,000.00	246,000.00	135,000.00	60,000.00
Puget Sound, Wash.	560,000.00	655,000.00	885,000.00					
Navy station—								
Narragansett Bay								
Key West, Fla.		45,000.00	137,767.22	107,000.00	50,500.00	40,000.00	10,000.00	5,000.00
New Orleans, La.	56,000.00	45,000.00	64,677.71				29,084.67	
Cavite, P. R.	59,700.00	15,900.00						
Culebra, P. R.	11,100.00							
Guantanamo, Cuba.								
Guam, M. I., Hawaii.		44,000.00	5,000.00	378,500.00		25,000.00	38,000.00	
Honolulu, P. I.	6,000.00			32,000.00				
Longapo, P. I.	100,000.00							
Pearl Harbor, Hawaii.	1,000,000.00	1,200,000.00	2,535,000.00	2,262,000.00	1,532,000.00	30,000.00	70,000.00	
Tutuila, Samoa.	15,000.00	5,500.00		300.00		629,000.00		
Purchase of land, Penobscot, Me.			3,400.00					
Torpedo station buildings.			57,100.00					
Pacific coast torpedo station.		39,500.00	145,000.00	87,200.00	135,000.00	30,000.00	200,000.00	
Naval proving ground, Indianhead, Md.		32,125.00	10,000.00	24,500.00	31,200.00	44,000.00	200,000.00	158,380.00



Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916—Continued.

	1909	1910	1911	1912	1913	1914	1915	1916
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS—continued.								
Naval training station—								
Rhode Island, buildings.....	\$139,890.00	\$79,716.72	\$16,300.00	\$53,000.00	\$15,000.00	\$26,000.00		\$15,000.00
California, buildings.....	29,500.00	18,445.52		4,100.00	1,500.00	10,000.00		
Great Lakes, buildings.....	1,095,600.00	413,400.00			7,000.00			
Rifle range, Bremerton, Wash.....				20,000.00				
Marine Corps rifle range, Winthrop, Md.....				500,000.00	500,000.00	500,000.00	\$500,000.00	500,000.00
Depots for coal.....	450,000.00	450,000.00	110,000.00					
Naval coaling depot, Melville Station, R. I.....					38,662.80	26,000.00		
Four timber dry docks.....	504,729.99		50,000.00		3,552.54			
Repairing dry dock Deway.....								
Naval magazine—								
New England coast.....		100,000.00			53,000.00	22,445.00		
Fort Lafayette, N. Y.....				5,300.00		22,000.00		
New York Harbor.....	10,000.00	28,000.00		30,000.00	40,000.00	10,500.00		
Dover, N. J.....		28,000.00		18,000.00	26,500.00	3,500.00		
Fort Mifflin, Pa.....	14,600.00	48,000.00	18,500.00	18,000.00	11,100.00			64,000.00
Norfolk, Va.....		13,000.00		45,000.00	38,500.00	46,500.00		20,000.00
Naval magazine—								
Pensacola, Fla.....	5,000.00							
Mare Island, Cal.....	11,500.00	11,500.00	8,600.00	18,000.00	26,339.84	19,900.00		
Pugot Sound, Wash.....	34,350.00	4,250.00	21,600.00	39,000.00	13,000.00	40,500.00		58,000.00
Kauahua, Hawaii.....					152,500.00	250,500.00		
Guantanamo, Cuba.....				51,000.00				
Olongapo, P. I.....	8,000.00		8,800.00	20,577.00		15,300.00	75,000.00	
Naval disciplinary barracks.....								
Floating crane "Hercules".....			115,000.00					
Floating crane.....			125,000.00		210,000.00			
Floating derricks.....	100,000.00	150,000.00						
Plans and specifications.....	30,000.00	30,000.00						
Consolidating power plants, navy yards and stations.....	29,677.71							
Buildings and grounds, Naval Academy.....	47,000.00	75,000.00	187,000.00	25,000.00	85,000.00	50,000.00	75,000.00	
Repairs and preservation at navy yards.....	611,698.79	700,000.00	700,000.00	800,000.00	800,000.00	800,000.00	1,106,000.00	1,097,436.00
Naval hospital—								
Chelsea, Mass.....								
New York, N. Y.....								
Norfolk, Va.....	100,000.00							15,000.00
Great Lakes.....	100,000.00		150,000.00					
Annapolis, Md.....	85,000.00							
Pugot Sound, Wash.....	75,000.00							
Buildings, Bureau of Steam Engineering, Annapolis, Md.....								
Buildings, engineering experimental station, Annapolis, Md.....		8,570.00	64,713.92	98,000.00		50,000.00		







	1892	1893	1894	1895	1896	1897	1898	1899	1900
SUPPLIES AND ACCOUNTS.									
Pay of the Navy.....	\$7,300,123.70	\$7,300,574.06	\$7,350,069.05	\$7,556,261.61	\$7,880,908.92	\$8,345,684.96	\$8,238,157.87	\$17,955,460.00	\$13,700,399.96
Provisions, Navy.....	1,106,066.00	1,066,000.00	1,149,077.27	1,175,244.20	1,175,000.00	1,405,639.60	2,810,185.30	2,500,000.00	3,000,353.44
Civil establishment, Supplies and Ac- counts.....	67,581.09	67,532.03	67,532.03	67,532.03	67,581.09	67,532.03	70,432.03	70,432.03	70,432.03
Contingent, Supplies and Accounts.....	44,034.96	42,462.56	43,321.75	47,553.06	49,000.00	55,851.65	101,864.32	150,000.00	150,137.76
Transportation of naval supplies.....			20,000.00						
Clothing and small stores fund.....								1,000,000.00	1,000,000.00
Naval supply fund.....			200,000.00			300,000.00	1,000,000.00		1,000,000.00
SUPPLIES AND ACCOUNTS.									
	1901	1902	1903	1904	1905	1906	1907	1908	
Pay of the Navy.....	\$12,861,720.02	\$15,150,285.00	\$16,139,072.26	\$17,707,249.66	\$19,326,034.13	\$20,000,000.00	\$21,263,775.89	\$23,978,650.35	
Provisions, Navy.....	2,500,416.96	3,251,082.59	3,988,817.16	4,598,387.86	4,803,514.22	5,239,588.14	5,220,000.00	6,544,942.29	
Civil establishment, Supplies and Accounts.....	81,232.03	94,074.28	105,190.73	103,978.34	103,932.28	104,010.28	103,930.28	103,978.34	
Contingent, Supplies and Accounts.....	150,000.00	200,121.06	200,000.00	251,304.76	251,065.62	160,000.00	160,000.00	185,000.00	
Freight, Supplies and Accounts.....						475,000.00	490,000.00	500,000.00	
Coal and transportation.....		2,800,000.00	2,500,131.93	2,690,537.10	2,960,000.00	3,250,000.00	3,750,000.00	5,850,000.00	
Clothing and small stores fund.....				1,000,000.00					
Naval supply fund.....		200,000.00							
SUPPLIES AND ACCOUNTS.									
	1909	1910	1911	1912	1913	1914	1915	1916	
Pay of the Navy.....	\$30,974,580.26	\$32,803,321.72	\$33,665,581.69	\$35,510,059.84	\$37,280,971.25	\$39,264,662.00	\$40,010,724.00	\$41,240,563.00	
Provisions, Navy.....	6,931,153.75	7,110,284.31	7,628,314.11	8,179,626.94	8,542,328.25	9,726,981.54	7,713,954.50	7,601,014.00	
Civil establishment, Supplies and Accounts.....	103,978.34								
Contingent, Supplies and Accounts.....	176,403.31	159,033.10	159,000.00	171,368.01	200,000.00				
Maintenance, Supplies and Accounts.....						1,470,000.00	2,031,487.25	1,829,400.55	
Freight, Supplies and Accounts.....	500,000.00	535,000.00	535,000.00	535,000.00	624,774.53	784,082.90	600,000.00	625,000.00	
Coal and transportation.....	5,009,450.32	5,000,202.54	4,000,000.00	4,243,670.50	4,719,700.99	5,617,767.86	4,800,000.00	4,500,000.00	
Fuel and transportation.....									
Naval Reserve.....							130,000.00		
Naval Academy dairy (reimbursable).....							33,394.87		
Naval training station, Great Lakes, building equipment.....		16,000.00				100,000.00			









	1901	1902	1903	1904	1905	1906	1907	1908
STEAM ENGINEERING.								
Steam machinery.....	\$3,160,001.86	\$3,246,853.81	\$3,439,552.40	\$4,009,149.58	\$4,105,187.82	\$4,014,335.70	\$5,505,000.00	\$5,505,000.00
Engineering experimental station, Annapolis, Md.....								
Civil establishments, Steam Engineering.....	13,300.00	16,900.00	17,900.00	17,900.00	17,900.00	17,900.00	30,520.00	30,520.00
Confining, Steam Engineering.....	1,000.00	1,000.00					17,900.00	17,900.00
Tests of fluid fuel for naval purposes.....			20,000.00					
Extended tests, marine steam turbines.....					25,000.00			
Naval wireless telegraph station, Pacific coast.....							65,000.00	
Machinery plants:								
Naval yard								
Portsmouth, N. H.....	25,000.00						110,000.00	30,000.00
Boston, Mass.....	50,000.00			60,000.00	75,000.00			40,000.00
New York, N. Y.....						40,000.00		25,000.00
League Island, Pa.....		100,000.00	130,000.00				25,000.00	25,000.00
Norfolk, Va.....			25,000.00	25,000.00	50,000.00		50,000.00	10,000.00
Charleston, S. C.....						15,000.00		
Pensacola, Fla.....								
Mare Island, Cal.....	50,000.00	100,000.00	80,000.00					
Puget Sound, Wash.....			125,000.00					
Naval station								
New Orleans, La.....							25,000.00	
San Juan, P. R.....	25,000.00							
Algiers, La.....	25,000.00							
Honolulu, Hawaii.....	25,000.00							25,000.00
Cavite, P. I.....								20,000.00
Olongapo, P. I.....								

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916—Continued.

	1909	1910	1911	1912	1913	1914	1915	1916
STEAM ENGINEERING.								
Steam machinery.....	\$3,005,000.00	\$3,633,005.60	\$5,275,635.89	\$6,256,000.00	\$6,256,000.00	\$6,006,000.00	\$8,080,000.00	\$7,742,973.00
Engineering experimental station, Annapolis, Md.....	30,520.00	17,568.42	20,044.00	40,000.00	40,011.82	86,000.00	80,000.00	80,000.00
Civil establishment, Steam Engineering.....	17,900.00				400,000.00		400,000.00	400,000.00
High-power radio stations.....						250,000.00	76,735.00	
Development of heavy oil engine.....								
Machinery plants:								
Navy yard—								
Portsmouth, N. H.....	30,000.00	30,000.00						
Boston, Mass.....	25,000.00	5,000.00						
New York, N. Y.....	40,000.00	25,000.00						
Philadelphia, Pa.....	25,000.00	25,000.00						
Norfolk, Va.....	25,000.00	25,000.00						
Pensacola, Fla.....	10,000.00							
Marine Island, Cal.....	25,000.00	15,000.00						
Puget Sound, Wash.....	25,000.00	25,000.00						
Naval station—								
New Orleans, La.....	10,000.00							
Pearl Harbor, Hawaii.....		15,000.00			300,000.00			
Cavite, P. I.....	15,000.00							
Olongapo, P. I.....	25,000.00							



NAVAL ACADEMY.									
	1884	1885	1886	1887	1888	1889	1890	1891	
Pay, Naval Academy .....	\$98,882.73	\$98,856.10	\$98,829.45	\$103,731.97	\$104,030.45	\$104,013.45	\$104,013.45	\$104,217.45	
Special course, Naval Academy .....	17,000.00	17,000.00	17,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	
Heating and lighting, Naval Academy .....	44,400.00	44,763.61	44,517.83	17,000.00	17,000.00	17,000.00	17,000.00	17,000.00	
Contingent, Naval Academy .....	21,000.00	21,000.00	21,000.00	42,300.00	41,800.00	41,800.00	41,800.00	41,800.00	
Repairs, Naval Academy .....				21,000.00	36,000.00	21,000.00	21,000.00	21,000.00	
Furniture for cadets quarters, Naval Academy .....							2,500.00	6,500.00	
Furnishing gymnasium, Naval Academy .....								5,000.00	
NAVAL ACADEMY.									
	1892	1893	1894	1895	1896	1897	1898	1899	1900
Pay, Naval Academy .....	\$104,273.45	\$104,265.45	\$104,265.45	\$107,158.97	\$105,189.13	\$106,401.45	\$106,401.45	\$106,401.45	\$107,353.45
Special course, Naval Academy .....	5,000.00	5,000.00	5,600.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
Heating and lighting, Naval Academy .....	17,000.00	18,620.26	18,218.95	18,900.02	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
Contingent, Naval Academy .....	41,800.00	41,800.00	41,800.00	42,610.56	41,300.00	46,400.00	43,800.00	45,545.00	43,800.00
Repairs, Naval Academy .....	21,000.00	21,000.00	21,000.00	31,000.00	21,000.00	62,873.52	21,000.00	58,032.00	21,000.00
NAVAL ACADEMY.									
	1901	1902	1903	1904	1905	1906	1907	1908*	
Pay, Naval Academy .....	\$107,085.45	\$107,815.45	\$112,605.77	\$138,597.34	\$100,608.46	\$171,175.96	\$221,560.58	\$253,751.32	
Special course, Naval Academy .....	3,000.00	4,500.00	4,500.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	
Heating and lighting, Naval Academy .....	20,000.00	20,000.00	20,000.00	31,400.00	40,000.00	40,000.00	40,000.00	40,000.00	
Contingent, Naval Academy .....	43,800.59	43,800.00	61,800.00	72,800.00	103,500.00	103,500.00	104,500.00	105,447.04	
Repairs, Naval Academy .....	77,000.00		111,000.00	31,000.00	31,000.00	31,000.00	20,239.48	30,000.00	
Tablets on historic places, Naval Academy .....				500.00					

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916—Continued.

	1909	1910	1911	1912	1913	1914	1915	1916
NAVAL ACADEMY.								
Pay, Naval Academy.....	\$291,251.32	\$318,516.18	\$186,704.00	\$188,104.00	\$190,504.00	\$188,534.00	\$186,034.00	\$186,034.00
Special course, Naval Academy.....	5,000.00	5,000.00						
Heating and lighting, Naval Academy.....	60,205.64	70,000.06						
Contingent, Naval Academy.....	100,777.04	110,838.42						
Current and miscellaneous expenses, Naval Academy.....		44,500.00		45,500.00	46,000.00	43,500.00	33,500.00	
Maintenance, Naval Academy.....		214,116.00		214,116.00	219,116.00			
Repairs, Naval Academy.....	30,000.00	40,000.00	65,000.00	100,013.24	125,000.00	354,116.00	279,116.00	
Maintenance and repairs, Naval Academy.....				3,000.00				
Memorials, Naval Academy.....				75,000.00				
Completion of crypt of chapel, Naval Academy.....								
MARINE CORPS.								
Pay, Marine Corps.....	\$642,985.00	\$653,517.35	\$641,671.91	\$649,686.00	\$654,874.97	\$673,807.66	\$685,708.35	\$687,471.79
Provisions, Marine Corps.....	60,002.40	72,000.41	61,257.79	52,500.00	52,225.43	62,185.05	64,617.64	62,137.72
Clothing, Marine Corps.....	77,000.00	72,000.00	77,000.00	77,000.00	75,270.83	62,000.00	71,927.00	73,000.00
Fuel, Marine Corps.....	18,000.00	18,000.00	18,000.00	18,000.00	18,070.82	20,778.60	21,330.12	20,000.00
Military stores, Marine Corps.....	9,788.50	9,788.50	18,788.50	8,788.50	9,797.00	10,786.50	12,000.00	12,000.00
Transportation and recruiting, Marine Corps.....	10,000.00	21,158.62	13,730.68	10,000.00	9,843.95	12,500.00	10,873.22	12,000.00
Repairs of barracks, Marine Corps.....	14,500.00	15,182.50	14,500.00	16,684.21	14,530.00	10,780.00	16,780.00	13,500.00
Forage, Marine Corps.....	5,400.00	5,400.00	5,400.00	4,400.00	4,000.00	3,599.38	3,817.80	3,500.00
Hire of quarters, Marine Corps.....				4,500.00	6,624.00	6,560.00	6,624.00	6,624.00
Contingent, Marine Corps.....	25,721.86	26,358.66	27,538.83	26,946.19	26,565.90	29,437.07	30,887.79	29,804.25
MARINE CORPS.								
Pay, Marine Corps.....	\$687,543.67	\$696,933.52	\$700,832.65	\$726,804.93	\$732,570.99	\$816,661.78	\$878,554.23	\$1,597,919.23
Provisions, Marine Corps.....	90,802.79	109,775.08	81,191.10	90,085.33	120,642.75	103,370.35	131,911.50	438,613.20
Clothing, Marine Corps.....	75,000.00	85,000.00	81,034.16	80,000.00	97,255.00	97,255.00	213,210.40	290,199.54
Fuel, Marine Corps.....	23,000.00	19,500.00	19,500.00	19,500.00	19,500.00	19,500.00	19,500.00	25,000.00
Military stores, Marine Corps.....	17,010.50	13,286.50	13,534.74	13,297.00	13,677.34	13,297.00	31,797.00	47,515.21
Transportation and recruiting, Marine Corps.....	15,083.33	16,780.24	15,000.00	15,021.38	15,072.34	15,425.92	23,064.00	31,192.83
Repairs of barracks, Marine Corps.....	14,300.00	16,512.00	20,000.00	12,000.00	23,500.00	45,892.51	18,925.00	16,300.00
Forage, Marine Corps.....	3,500.00	3,068.07	3,380.85	3,212.13	2,800.00	3,000.00	3,000.00	6,000.00
Hire of quarters, Marine Corps.....	6,624.00	6,624.00	6,624.00	6,624.00	6,624.00	6,996.00	7,356.00	12,624.00
Contingent, Marine Corps.....	33,036.31	34,036.71	32,275.61	32,781.39	35,707.46	33,706.31	50,166.07	57,990.07
Pay, provisions, etc., Marine Corps.....								
Reimbursement to enlisted men of Marine Corps for losses.....						20,400.00	51.73	





Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916—Continued.

	1884	1885	1886	1887	1888	1889	1890	1891
INCREASE OF THE NAVY.								
Construction and machinery.....								
Armor and armament.....								
Vessels and monitors.....								
Gunboats and cruisers.....								
Vessels for coast and harbor defense.....								
Steel cruisers.....								
Construction and repair.....	\$1,300,000.00	\$921,500.00	\$115,519.84	95,861.00		47,291.83		
Machinery, steam engineering.....		620,000.00	86,983.57			5,382.73		
Equipment.....		78,600.00						
Navigation.....		30,000.00						
Ordnance.....		500,000.00						
Land.....				91,137.00				
Freight and material.....				68,000.00				
Foreign and domestic bills.....				48,913.00				
Existing contracts.....				37,294.84				
Powder for the "Boston".....				83,655.16				
Powder for the "Chicago".....				12,000.00				
Gun carriages for the "Chicago".....				10,000.00				
Armor and gun steel.....					4,000,000.00			1,000,000.00
Nickel.....								
Steel practice vessel.....						260,000.00		
Vessels authorized Mar. 3, 1885.....			1,895,000.00					
Rapid twist guns and reinforce carriages.....							50,000.00	
Gun plant, navy yard, Washington, D. C.....							625,000.00	145,000.00
Care of monitors.....			5,000.00					
Completing U. S. S. Mohican.....			50,000.00					
INCREASE OF THE NAVY.								
Construction and machinery.....	1892	1893	1894	1895	1896	1897	1899	1900
Armor and armament.....								
Equipment.....	\$13,107,000.00	\$7,000,000.00	\$6,875,000.00	\$5,955,025.00	\$8,364,851.30	\$8,870,600.00	\$13,648,473.00	\$5,992,402.00
Training vessel for Naval Academy.....	4,000,000.00	2,000,000.00		4,000,000.00	4,837,670.00	4,371,454.00	7,162,800.00	4,000,000.00
Traveling cranes.....	400,000.00	400,000.00	250,000.00		125,000.00	287,000.00	415,000.00	400,000.00
Remission of penalty on dynamite cruiser Vesuvius.....	100,000.00	60,000.00				125,000.00		
Gun plant, navy yard, Washington, D. C.....				39,700.00	40,350.00			
Submarine torpedo boat.....			200,000.00	117,000.00		50,000.00	36,000.00	50,000.00

	1901	1902	1903	1904	1905	1906	1907	1908
INCREASE OF THE NAVY.								
Construction and machinery.....	\$12,740,699.00	\$21,000,000.00	\$13,303,010.00	\$15,025,632.00	\$26,826,860.00	\$23,410,833.00	\$17,830,829.00	\$12,713,915.00
Armor and armament.....	4,000,000.00	8,000,000.00	9,000,000.00	12,000,000.00	18,000,000.00	18,000,000.00	15,145,000.00	12,000,000.00
Equipment.....	400,000.00	400,000.00	400,000.00	400,000.00	100,000.00	845,000.00	250,000.00	500,000.00
Torpedo boats.....	.....	.....	.....	500,000.00	350,000.00	.....	500,000.00	500,000.00
Gun plant, navy yard, Washington, D. C.....	175,000.00	199,849.00	65,000.00	160,000.00	120,500.00	158,000.00	200,000.00	150,000.00
INCREASE OF THE NAVY.								
Construction and machinery.....	\$12,832,952.00	\$22,766,823.00	\$19,400,753.00	\$13,781,785.79	\$9,846,205.00	\$19,818,228.00	\$19,647,617.00	\$20,664,459.00
Armor and armament.....	11,000,000.00	12,452,772.00	11,565,122.00	10,532,928.00	7,265,200.00	11,724,192.00	17,412,500.00	18,957,998.00
Equipment.....	400,000.00	600,000.00	399,500.00	.....	355,000.00	430,000.00	521,000.00	.....
Torpedo boats.....	3,000,000.00	3,000,000.00	2,104,971.00	1,690,833.88	2,521,647.00	3,333,275.00	3,810,617.00	6,231,344.00
Colliers.....	1,500,000.00	.....	300,000.00	.....	581,321.48	.....	.....	.....
Purchase of steam colliers.....	1,575,000.00	.....	.....	.....	.....	.....	.....	.....
Gun plant, navy yard, Washington, D. C.....	150,000.00	205,000.00	.....	.....	.....	.....	.....	.....

<sup>1</sup> Deficiency act July 19, 1898, reduced this amount to \$125,000.

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916—Continued.

	1884	1885	1886	1887	1888	1889	1890	1891
MISCELLANEOUS.								
Bounty for destruction of enemy's vessels.....		\$144,981.94	\$46.70					\$15,000.00
Commission on Dry Docks.....						\$15,000.00		
Commission on new Navy Yards and Dry Docks.....	\$2,500.00	3,788.81						10,000.00
Commission on Navy Yards.....								
Consolidating naval supplies.....	19,957.15						\$406,863.93	195,482.95
Claims for damages by collision with naval vessels.....						497.11		
Certified claims.....				\$2,132.01				
Destruction of clothing and bedding for sanitary reasons.....			1,635.80					
Enlistment bounty to seamen.....		5,134.67						
Expenses in connection with Arctic exploring expedition.....	12,504.64							
Extra pay to officers, etc., who served in the Mexican War.....	1,028.00	122,639.81	58,310.72	15,079.06	\$5,781.51	13,437.33	11,250.00	2,287.50
Extra pay to officers and men who served in the Pacific.....						338.91		
Furniture, State, War, and Navy Department Building.....	25,000.00							
Gratuities to machinists in lieu of reenlistments.....					918.00			
Indemnity for lost clothing.....	1,429.93	10,370.56	1,136.95	2,667.49		360.00	18,796.36	299.91
Observation of eclipse of sun, Dec. 22, 1889.....							5,000.00	
Observation of transit of Venus.....		5,000.00		4,100.63				
Pay civilian members Naval Advisory Board.....				5,500.00				
Payment of officers and crew U. S. S. Kearsarge for destruction of "Alabama".....					780.00	541.04		
Private acts, etc., (various).....	8,338.74		31,718.92			23,991.27		15,064.85
Payment to Harlan & Hollingsworth Co. for use of shipyard and care of "Amphitrite".....								
Payment to John Roach for use of shipyard and care of monitor "Puritan".....			67,987.00					
Payment to Wm. Cramp & Sons for use of shipyard and care of "Terror".....			69,201.00			3,352.00		
Payment to captain and owners North Star, rescue crew U. S. S. Rogers.....	20,000.00		75,796.00					
Payment to H. H. Nichols for engraving Bowditch Navigator.....	2,381.79							
Payment of Japanese award.....	140,000.00							
Purchase of farmer's house.....								
Purchase of Coasters Harbor Island, R. I.....								
Relief of survivors and others exploring steamer "Jeannette".....					25,000.00			2,250.00
Relief of sufferers by wreck of the U. S. S. Ashuelot.....					16,956.28			
Relief of survivors by wreck of the U. S. S. Ashuelot.....					12,822.00			
Relief of Lady Franklin Bay expedition to Arctic regions.....		762,953.15						
Relief of sufferers by wreck of U. S. S. Rodgers.....								
Relief of officers and crew U. S. S. Rodgers.....	5,218.32	215.00						
Relief of sufferers, wreck U. S. S. Heron.....	318.00							
Relief persons impressed into U. S. naval service.....								
Relief for services to officers and crew U. S. S. Rogers.....	3,000.00	25,000.00					1,532.86	
Reward for rescue Lady Franklin Bay expedition to Arctic regions.....								
Search of steamer "Jeannette".....							2,150.75	
Tuition of two naval cadets, Royal Naval College at Greenwich.....	900.00							



	1892	1893	1894	1895	1896	1897	1898	1899	1900
MISCELLANEOUS.									
Claims for damages by collision with naval vessels.									
Consolidating naval supplies.									\$1,470.07
Certified claims.	\$20,577.11		\$10,000.00						
Extra pay to officers and men who served in the Mexican War.	1,525.50	\$64,907.86	25,427.50	\$32,543.90	\$27,420.86	\$40,902.48	\$52,075.47	\$34,444.81	37,012.47
Indemnity for lost clothing.	7,329.32	2,579.67	2,597.50	485.00	650.50	2,609.25	2,656.50	4,435.33	3,065.17
Indemnity for lost property, naval service.		180.00	9,499.74	1,171.64			40.25	333.75	
International naval review.			300,000.00	9,821.68	10,785.00	2,496.94			
Medals for "Jeanette," Arctic expedition.		50,000.00							
Medals for "Jeannette," Arctic expedition.		734.13							
Pay to W. H. Michael for compilation of laws relating to Navy and Marine Corps.									5,000.00
Private acts, etc. (various).									
Payment on account of monitor "Amphitrite."									3,000.00
Payment to Harlan & Hollingsworth Co. for use of shipyard and care of "Amphitrite."	85,932.92	1,391.00	3,606.20	3,435.45	1,626.71	4,569.29	5,216.85	428,152.37	285,821.80
Payment on account purchase steamers "De Soto" and "Blenville."		2,752.00		4,891.73					
Relief of sufferers, wreck of U. S. S. Ituron.	156.00				41,701.95			560.10	
Relief of persons impressed into the United States naval service.								39.00	
Relief of sufferers by wreck of United States steamers at Apia, Samoa.									
Removal of remains of D. F. Terrell, ensign, U. S. Navy from Alaska.	8,478.13	3,812.78	308.77		1,125.75	447.75	732.60		312.00
Relief of Rodman M. Price.		830.33					270.25		
Relief of sufferers by destruction of U. S. S. Maine.		45,204.08	7,900.00				83,358.19	23,100.00	5,733.00
Removal of remains of officers and men who perished by destruction of U. S. S. Maine.								34,074.73	
Recovering the remains of officers and men and property from wreck U. S. S. Maine.								10,000.00	
Reclaiming wreck U. S. S. Kearsarge.								200,000.00	
Sword of honor to Commodore George Dewey and medals commemorating Battle of Manila Bay.				45,000.00					
Survey of Pearl Harbor, Hawaii.								10,000.00	
Transporting contributions for famishing poor in India.								10,000.00	
Vessels for United States naval force.								3,000,000.00	20,000.00

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916.—Continued.

	1901	1902	1903	1904	1905	1906	1907	1908
MISCELLANEOUS.								
Claims for damages by collision with naval vessels.	\$75.00							
Certified claims.	12,142.50		\$1,686.88	\$9,518.28	\$26,036.32	\$53,264.42	\$74,860.48	\$74,020.64
Canal connecting Atlantic and Pacific Oceans.		\$9,398.70	34,579.56	19,521.34				
Entertainment of foreign naval representatives Jamestown Exposition.				2,500.00			100,000.00	
Exhibit of monitors, Jamestown Exposition.							10,000.00	
Enlistment bounty to seamen.					166.03			
Extra pay to officers and men who served in Mexican War.	2,249.00	349.00	63.00		50.00	24.00		30.00
Expenses incidental to burial of officers and men who died on the "Missouri".								
Judgments, claim, British steamship "Foscobia"				10,000.00				
Judgments, bounty for destruction of enemy's vessels.				203,219.33				
Judgments, Courts of Claims and United States Courts.	436,300.00	50,000.00		57,900.00				
Observation of eclipse of sun, May 19, 1901.	10,000.00		88,820.29		617,364.92	689,056.93	171,959.14	32,250.63
Private acts, etc. (various)	124.63	17,926.25	11,113.49	63,620.59	4,458.45		4,097.56	748.00
Payment of certain claims arising under the Navy Department.							11,397.20	6,544.98
Prize money, Battle of Manila Bay.			946,083.89				15,000.00	
Permanent moorings.								
Relief of sufferers by destruction of U. S. S. Maine.	192.00	660.00	432.00					
Relief of officers and crew U. S. S. Charleston.				14,263.47	1,440.50	199.98	209.88	69.86
Reimbursement of Philippine Insular funds for gunboats, etc.		208,819.67						
Reimbursement to officers and men for losses at San Francisco, Cal.							7,000.00	
Reimbursement to California State prison.			265.50					
Reimbursement to enlisted men Navy and Marine Corps for clothing and bedding destroyed.								
Reimbursement to American Society in London.					333.85			
Transporting contributions for famishing poor of India.	20,000.00				20.07			

	1909	1910	1911	1912	1913	1914	1915	1916
MISCELLANEOUS.								
Claims for damages by collision with naval vessels.....			\$236.00					
Certified claims.....			44,000.75		\$3,948.45	\$2,183.20	\$1,256.71	
Extra pay to officers and men who served in Mexican War.....	\$74,470.20	\$30,825.63			163,740.42	65,473.82	86,834.19	
Indigents, Courts of Claims and United States Courts.....		30.00						
Private acts, etc. (various).....	1,601.14	6,350.31	279,002.55		175,327.37	11,738.89	32,206.53	
Payment of certain claims arising under Navy Department.....		25,561.00	13,037.80	\$5,551.75	28,958.08	2,218.00	9,178.48	
Payment to certain Government employees for injuries received.....	1,570.17		30,116.79		2,750.00	4,313.58	46,169.35	
Payment to Port Graham Coal Co., Seldovia, Alaska.....						5,000.00		
Relief of sailors, earthquake in Italy.....								
Relief of officers and crew U. S. S. Charleston.....	800,000.00				69.86			
Relief and transportation of American citizens in Mexico.....							191,349.69	
Relief of sufferers by wreck of United States steamers at Apia, Samoa.....					288.00	228.00		
Relief of flood sufferers, Ohio and Indiana and on the Ohio and Mississippi Rivers and tributaries.....						130,940.38		
Refund of stolen deposits, enlisted men of the Navy and Marine Corps.....					4,300.00			
Repair, preservation, and exhibition of Navy trophy flags.....				30,000.00				



Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FISCAL YEARS 1884-1916—Continued.

TOTALS.									
	1883 and prior years.	1884	1885	1886	1887	1888	1889	1890	1891
Amount of appropriations for each fiscal year.....		\$17, 189, 340. 49	\$16, 796, 714. 21	\$18, 856, 336. 45	\$17, 412, 520. 02	\$26, 091, 338. 34	\$20, 935, 210. 90	\$22, 246, 567. 06	\$24, 742, 253. 05
Amount appropriated and warranted during—									
Current fiscal year.....		16, 920, 288. 80	10, 430, 249. 26	16, 372, 981. 81	17, 364, 932. 25	25, 804, 105. 58	20, 251, 058. 53	21, 985, 597. 35	24, 707, 070. 09
First subsequent fiscal year.....	\$27, 406. 51	258, 900. 00	6, 230, 253. 85	82. 25	20, 000. 00	51, 514. 77	169, 635. 29	175, 450. 85	5, 000. 00
Second subsequent fiscal year.....	57, 186. 47	3, 080. 31	39, 755. 58		9, 516. 73	171, 456. 52	504, 767. 00	80, 804. 71	27, 149. 15
Third subsequent fiscal year.....	36, 877. 57	6, 930. 13		572, 396. 65	17, 972. 54	64, 237. 47	9, 714. 63	4, 714. 15	3, 033. 81
Fourth subsequent fiscal year.....	174, 926. 07		93, 204. 68	1, 310, 875. 74	74. 50				
Fifth subsequent fiscal year.....		141. 25				24. 00	35. 45		
Sixth subsequent fiscal year.....			3, 250. 84		24. 00				
Seventh subsequent fiscal year.....									
Other subsequent fiscal years.....									
TOTALS.									
Amount of appropriations for each fiscal year.....	1892	1893	1894	1895	1896	1897	1898	1899	1900
Amount of appropriations for each fiscal year.....	\$32, 723, 493. 45	\$24, 025, 688. 67	\$22, 928, 256. 60	\$25, 759, 215. 64	\$30, 686, 652. 32	\$31, 268, 274. 90	\$62, 993, 512. 90	\$119, 921, 780. 10	\$59, 088, 546. 98
Amount appropriated and warranted during—									
Current fiscal year.....	32, 680, 521. 30	23, 962, 657. 47	22, 583, 638. 85	25, 535, 535. 19	29, 431, 923. 39	30, 688, 712. 64	55, 034, 653. 20	116, 182, 715. 04	58, 546, 175. 88
First subsequent fiscal year.....	548. 40		100, 278. 04	36, 800. 00	447, 615. 89	266, 038. 96	7, 515, 866. 54	3, 710, 817. 14	394, 455. 23
Second subsequent fiscal year.....	38, 064. 07	61, 721. 34	107, 390. 61	185, 896. 45	795, 242. 60	140, 300. 78	380, 553. 25	21, 325. 56	28, 580. 41
Third subsequent fiscal year.....	4, 152. 13	639. 16	136, 377. 03	253. 81	11, 368. 88	173, 074. 87	54, 093. 65	4, 834. 20	84, 397. 70
Fourth subsequent fiscal year.....	81. 25	93. 82		440. 73	461. 41			2, 087. 56	21, 369. 66
Fifth subsequent fiscal year.....	126. 30	576. 88	475. 41	272. 66			8, 071. 62		13, 254. 97
Sixth subsequent fiscal year.....			.66		18. 77		181. 24		313. 13
Seventh subsequent fiscal year.....			(1904) 96. 00	(1903) 16. 80	(1905) 21. 38	(1905) 30. 00	(1911) 2. 15		
Other subsequent fiscal years.....									

	1901	1902	1903	1904	1905	1906	1907	1908
<b>TOTALS.</b>								
Amount of appropriations for each fiscal year...	\$86,220,984.00	\$84,442,710.74	\$82,592,228.33	\$87,936,217.08	\$113,523,469.43	\$105,105,889.73	\$104,629,684.59	\$108,124,421.40
Amount appropriated and warranted during—								
Current fiscal year.....	65,799,505.11	84,136,577.26	81,482,407.01	87,567,783.19	112,874,723.59	104,485,139.51	103,476,386.00	106,525,521.14
First subsequent fiscal year.....	210,266.82	136,427.68	738,213.58	107,751.91	272,888.52	562,400.56	40,831.33	1,003,830.89
Second subsequent fiscal year.....	138,807.25	152,290.91	135,296.35	24,482.78	190,003.17	26,218.96	1,097,530.63	5,571.95
Third subsequent fiscal year.....	30,306.87	17,298.88	626.30	224,459.37	179,804.80	23,009.56	.....	587,458.98
Fourth subsequent fiscal year.....	41,672.95	.....	235,277.44	1,330.63	1,616.84	.....	14,121.55	.....
Fifth subsequent fiscal year.....	.....	100.01	376.53	325.28	.....	9,043.83	.....	2,038.44
Sixth subsequent fiscal year.....	425.00	45.00	.....	83.92	4,414.21	77.31	845.08	.....
Seventh subsequent fiscal year.....	.....	1.00	.....	.....	(1913)	.....	.....	.....
Other subsequent fiscal years.....	.....	(1911)	(1911)	.....	.....	.....	.....	.....
<b>TOTALS.</b>								
Amount of appropriations for each fiscal year...	\$124,618,687.52	\$137,779,172.38	\$133,376,688.21	\$128,207,362.74	\$130,449,476.62	\$142,908,549.38	\$146,322,679.57	\$149,818,563.45
Amount appropriated and warranted during—								
Current fiscal year.....	124,337,253.40	137,396,102.45	133,033,749.08	126,514,080.99	129,476,088.24	141,675,267.48	146,177,679.57	149,818,563.45
First subsequent fiscal year.....	.....	292,468.17	.....	1,236,897.81	70,273.86	1,233,281.90	145,000.00	.....
Second subsequent fiscal year.....	163,733.97	.....	285,895.49	441,033.84	903,114.52	.....	.....	.....
Third subsequent fiscal year.....	.....	90,328.03	17,824.13	15,341.10	.....	.....	.....	.....
Fourth subsequent fiscal year.....	117,344.89	241.23	39,219.51	.....	.....	.....	.....	.....
Fifth subsequent fiscal year.....	355.26	32.50	.....	.....	.....	.....	.....	.....
Sixth subsequent fiscal year.....	.....	.....	.....	.....	.....	.....	.....	.....
Seventh subsequent fiscal year.....	.....	.....	.....	.....	.....	.....	.....	.....
Other subsequent fiscal years.....	.....	.....	.....	.....	.....	.....	.....	.....
Total appropriations for 33 years (fiscal years 1884 to 1916, inclusive).....	\$2,419,112,487.25							

**Table 2.—SUMMARY OF APPROPRIATIONS FOR THE NEW NAVY, UNDER THE NAVAL ACTS, MAR. 3, 1883, TO MAR. 3, 1915.**

[Compiled by the Bureau of Supplies and Accounts, Navy Department.]

Date of act.	Congress.	Amount.	Fiscal year.	Date of act.	Congress.	Amount.	Fiscal year.
Mar. 3, 1883.....	47-2	<sup>1</sup> \$16,037,512.23	1884	June 7, 1900.....	56-1	<sup>6</sup> \$61,140,916.67	1901
July 7, 1884.....	48-1	8,931,856.12	1885	Mar. 3, 1901.....	56-2	78,101,791.00	1902
Jan. 30, 1885.....	48-2	<sup>2</sup> 6,290,061.98		July 1, 1902.....	57-1	<sup>7</sup> 78,858,761.07	1903
Mar. 3, 1885.....	48-2	<sup>3</sup> 15,170,867.56	1886	Mar. 3, 1903.....	57-2	81,876,791.43	1904
July 26, 1886.....	49-1	12,989,556.72	1887	Apr. 27, 1904.....	58-2	97,505,140.94	1905
Aug. 3, 1886.....	49-1	3,500,000.00		Mar. 3, 1905.....	58-3	<sup>8</sup> 102,836,679.94	1906
Mar. 3, 1887.....	49-2	25,786,847.79	1888	June 29, 1906.....	59-1	<sup>9</sup> 102,371,670.27	1907
Sept. 7, 1888.....	50-1	<sup>4</sup> 19,943,281.05	1889	Mar. 2, 1907.....	59-2	<sup>9</sup> 99,971,449.79	1908
Mar. 2, 1889.....	50-2	21,692,510.27	1890	May 13, 1908.....	60-1	<sup>11</sup> 122,666,133.27	1909
June 30, 1890.....	51-1	23,136,035.53	1891	Mar. 3, 1909.....	60-2	136,935,199.05	1910
Mar. 2, 1891.....	51-2	31,541,645.78	1892	June 24, 1910.....	61-2	<sup>12</sup> 131,510,246.01	1911
July 19, 1892.....	52-1	23,543,266.65	1893	Mar. 4, 1911.....	61-3	126,478,338.24	1912
Mar. 3, 1893.....	52-2	<sup>5</sup> 22,504,061.38	1894	Aug. 22, 1912.....	62-2	<sup>13</sup> 128,908,196.96	1913
July 26, 1894.....	53-2	25,366,826.72	1895	Mar. 4, 1913.....	62-3	<sup>14</sup> 141,050,643.53	1914
Mar. 2, 1895.....	53-3	29,416,077.31	1896	June 30, 1914.....	63-2	<sup>15</sup> 145,503,963.48	1915
June 10, 1896.....	54-1	30,862,660.95	1897	Mar. 3, 1915.....	63-3	<sup>16</sup> 149,763,563.45	1916
Mar. 3, 1897.....	54-2	34,128,234.19	1898				
May 4, 1898.....	55-2	56,098,783.68	1899	Total.....		2,240,519,540.59	
Mar. 3, 1899.....	55-3	48,099,909.58	1900				

<sup>1</sup> Includes \$83,265 unexpended balance "Steel rifled breech loading guns" reappropriated.

<sup>2</sup> Includes \$140,000 unexpended balance "Machinery double turreted monitors" reappropriated to "Steam machinery, 1885."

<sup>3</sup> Includes \$40,162.61 unexpended balance "Construction and repair, 1883," reappropriated to "Increase of the Navy, steel cruisers, Construction and Repair."

<sup>4</sup> Includes \$5,000 unexpended balance "Repairs, Naval Academy, 1888," reappropriated to "Boat house for steam launches, Naval Academy."

<sup>5</sup> Includes \$200,000 appropriated from the "General account of advances" to form a "Naval supply fund"; also \$200,000 reappropriated from the unexpended balance of "Increase of the Navy, armor and armament," to "Increase of the Navy, submarine torpedo boats."

<sup>6</sup> This amount does not include \$4,000,000 authorized for factory for the manufacture of armor. This amount was never warranted by the Treasury Department.

<sup>7</sup> Includes \$2,397.94 reappropriated from unexpended balances under "Repairs of barracks, Marine Corps," act June 10, 1896.

<sup>8</sup> Includes \$2,500,000 reappropriated from the unexpended balance under "Pay of the Navy, 1903," and "Pay of the Navy, 1902."

<sup>9</sup> Includes \$300,000 reappropriated from the unexpended balance under "Construction and repair, 1904."

<sup>10</sup> Includes reappropriations from unexpended balances as follows: "Provisions, Navy, 1904,\$324,866.87"; "Provisions, Navy, 1905, \$678,075.42;" and "Contingent, Supplies and Accounts, 1904, \$10,000."

<sup>11</sup> Includes \$3,647.80 reappropriated from unexpended balance "Navy yard, Boston, Mass.," to "Navy yard, Portsmouth, N. H."

<sup>12</sup> Includes \$64,677.71 "previously appropriated and erroneously transferred to 'Consolidating power plants, navy yards and stations' under 'Naval station, New Orleans, La.'; also \$35,000 reappropriated from unexpended balance "Naval station, Honolulu, Hawaii," to "Naval station, Pearl Harbor, Hawaii."

<sup>13</sup> Includes \$5,668,189.20 unexpended balances under various Bureau of Ordnance appropriations reappropriated for the fiscal year 1913; also \$15,000 of unexpended balance "Barracks and quarters, Marine Corps," reappropriated under "Naval station, Key West, Fla."

<sup>14</sup> Includes \$250,000 unexpended balance under "Steam machinery, 1912," reappropriated under "Development of heavy-oil engine."

<sup>15</sup> Includes reappropriations as follows: \$148,000 unexpended balance under "Marine barracks, navy yard, Boston, Mass.," reappropriated under "Navy yard, Boston, Mass.,"; \$300,000 unexpended balance under "Wrecking pontoon for submarines," reappropriated under "Increase of the Navy, torpedo boats"; \$33,394.87 unexpended balance under "Naval Academy, dairy, Annapolis, Md. (reimbursable)" reappropriated for the same purpose; \$76,735 unexpended balance "Development of heavy-oil engine" reappropriated for the same purpose.

<sup>16</sup> Includes reappropriations from various unexpended balances amounting to \$2,219,581.57 as follows: \$1,000,000 under "Aeronautics, 1916"; \$15,000 under "Naval station, Pensacola, Fla.,"; \$800,000 under "Increase of the Navy, torpedo boats"; \$4,581.57 under "Committee to investigate cost of United States armor plant;" \$200,000 under "Marine barracks, Mare Island, Cal.;" \$200,000 under "Marine barracks, Norfolk, Va.,"; also \$10,000 of the amount authorized for an "Advisory committee for aeronautics."



**Table 3.—SUMMARY OF APPROPRIATIONS FOR THE NEW NAVY, UNDER MISCELLANEOUS ACTS, FEB. 22, 1883, TO MAR. 4, 1915.**

[Compiled by the Bureau of Supplies and Accounts, Navy Department.]

[Includes certain amounts warranted by the Treasury Department subsequent to Feb. 22, 1883, but appropriated for prior to that date under indefinite appropriations, as explained in footnotes.]

Date of act, etc.	Name of act.	Congress and session.	Amount.	Total.	Year, Congress, and session.
Feb. 22, 1883	(1).....	47-2	\$140,000.00		
Mar. 2, 1883	Private.....	47-2	6,556.85		
Mar. 3, 1883	.....do.....	47-2	1,781.89		
Do.....	Deficiency.....	47-2	<sup>2</sup> 13,404.64		
Do.....	Sundry civil.....	47-2	713,038.94		
Do.....	.....(3).....	47-2	5,218.32		
R. S., 3689.....	.....(4).....	Prior.	1,429.93		
Dec. 15, 1877	.....(5).....	Prior.	318.00		
Feb. 19, 1879	.....(6).....	Prior.	1,028.00		
				\$882,776.57	1883-47-2
Feb. 13, 1884	Joint resolution.....	48-1	762,953.15		
Apr. 17, 1884	Reward for Greely expedition.....	48-1	25,000.00		
May 1, 1884	Urgent deficiency.....	48-1	254,000.00		
July 7, 1884	Sundry civil.....	48-1	426,000.00		
Do.....	Legislative.....	48-1	5,000.00		
Do.....	Deficiency.....	48-1	<sup>7</sup> 152,498.64		
R. S., 3689.....	.....(1).....	Prior.	8,986.54		
Feb. 19, 1879	.....(6).....	Prior.	122,639.81		
Mar. 3, 1883	.....(3).....	Prior.	215.00		
				1,757,293.14	1884-48-1
Mar. 3, 1885	Deficiency.....	48-2	<sup>8</sup> 590,579.84		
Do.....	Sundry civil.....	48-2	480,237.92		
Jan. 20, 1885	Private.....	48-2	501.00		
Mar. 3, 1885	.....do.....	48-2	12,500.00		
Do.....	.....do.....	48-2	2,300.00		
R. S., 3689.....	.....(1).....	Prior.	956.95		
Feb. 19, 1879	.....(6).....	Prior.	58,310.72		
				1,145,386.43	1885-48-2
Mar. 26, 1886	Urgent deficiency.....	49-1	251,863.00		
Aug. 4, 1886	Sundry civil.....	49-1	452,595.00		
Do.....	Deficiency.....	49-1	<sup>9</sup> 202,606.43		
Feb. 19, 1879	.....(6).....	Prior.	15,079.06		
				922,143.49	1886-49-1
Jan. 3, 1887	.....(10).....	49-2	16,956.28		
Jan. 29, 1887	.....(11).....	49-2	12,822.00		
Feb. 21, 1887	Private.....	49-2	270.00		
Feb. 23, 1887	.....do.....	49-2	510.00		
Feb. 19, 1879	.....(6).....	Prior.	5,781.51		
June 16, 1880	.....(12).....	Prior.	918.00		
				37,257.79	1887-49-2
Feb. 1, 1888	Deficiency.....	50-1	67,230.53		
Mar. 30, 1888	Urgent deficiency.....	50-1	349,430.51		
June 18, 1888	Private.....	50-1	275.13		
Aug. 15, 1888	.....do.....	50-1	5,156.64		
Aug. 21, 1888	.....do.....	50-1	250.00		
Oct. 19, 1888	.....do.....	50-1	13,506.33		
Do.....	.....do.....	50-1	370.50		
Do.....	Deficiency.....	50-1	584,534.56		
R. S., 3689.....	.....(4).....	Prior.	360.00		
Feb. 19, 1879	.....(6).....	Prior.	13,437.33		
				1,034,551.56	1888-50-1
Mar. 2, 1889	Deficiency.....	50-2	1,922,992.21		
Jan. 21, 1889	Private.....	50-2	1,237.50		
Feb. 23, 1889	.....do.....	50-2	3,591.90		
Mar. 1, 1889	.....do.....	50-2	3,626.34		
R. S., 3689.....	.....(4).....	Prior.	18,796.36		
Feb. 19, 1879	.....(6).....	Prior.	11,250.00		
Mar. 3, 1881	.....(13).....	Prior.	1,532.86		
				1,963,027.17	1889-50-2
Feb. 19, 1890	Relief sufferers, etc. <sup>14</sup> .....	51-1	201,878.73		
Apr. 4, 1890	Urgent deficiency.....	51-1	56,000.00		
Apr. 11, 1890	Joint resolution.....	51-1	<sup>15</sup> 75,000.00		
June 9, 1890	Private.....	51-1	6,717.12		
Sept. 29, 1890	Joint resolution.....	51-1	<sup>16</sup> 1,000,000.00		
Sept. 30, 1890	Deficiency.....	51-1	970,174.73		
R. S., 3689.....	.....(4).....	Prior.	209.91		
Feb. 19, 1879	.....(6).....	Prior.	2,287.50		
Dec. 15, 1877	.....(5).....	Prior.	186.00		
Sept. 26, 1890	Private.....	51-1	6,271.23		
				2,318,815.22	1890-51-1

For footnotes, see p. 471.

Table 3.—SUMMARY OF APPROPRIATIONS FOR THE NEW NAVY, UNDER MISCELLANEOUS ACTS, FEB. 22, 1883, TO MAR. 4, 1915—Continued.

Date of act, etc.	Name of act.	Congress and session.	Amount.	Total.	Year, Con- gress, and session.
Mar. 3, 1891	Deficiency.....	51-2	\$1,131,942.99		
Feb. 21, 1891	Private.....	51-2	21,230.67		
Mar. 3, 1891	.....do.....	51-2	4,617.60		
Mar. 2, 1891	.....do.....	51-2	59,114.65		
R. S., 3689....	(4).....	Prior.	7,329.32		
Dec. 15, 1877	(5).....	Prior.	156.00		
Feb. 19, 1879	(6).....	Prior.	1,525.50		
Feb. 19, 1890	(14).....	Prior.	8,478.13		
				\$1,234,394.86	1891-51-2
July 28, 1892	Deficiency.....	52-1	148,461.53		
Aug. 5, 1892	Sundry civil.....	52-1	250,000.00		
Feb. 19, 1890	(14).....	Prior.	3,812.78		
Feb. 19, 1879	(6).....	Prior.	2,579.67		
Sept. 30, 1890	(17).....	Prior.	734.13		
Feb. 23, 1891	(18).....	Prior.	45,204.08		
R. S., 3689....	(4).....	Prior.	180.00		
				450,972.19	1892-52-1
Jan. 5, 1893	Private <sup>19</sup> .....	52-2	830.33		
Feb. 25, 1893	Private.....	52-2	175.39		
Mar. 3, 1893	Deficiency.....	52-2	100,241.95		
R. S., 3689....	(4).....	Prior.	9,499.74		
Feb. 19, 1879	(6).....	Prior.	2,597.50		
Feb. 19, 1890	(14).....	Prior.	308.77		
Feb. 23, 1891	(18).....	Prior.	7,900.00		
				121,553.68	1893-52-2
Mar. 9, 1894	Public <sup>20</sup> .....	53-2	45,000.00		
Apr. 21, 1894	Urgent deficiency.....	53-2	40,000.00		
Aug. 18, 1894	Sundry civil.....	53-2	45,000.00		
Aug. 23, 1894	Deficiency.....	53-2	193,417.11		
R. S., 3689....	(4).....	Prior.	1,171.64		
Feb. 19, 1879	(6).....	Prior.	485.00		
				325,073.75	1894-53-2
Mar. 2, 1895	(21).....	53-3	20,606.68		
Do.....	Deficiency.....	53-3	148,195.85		
Feb. 19, 1879	(6).....	Prior.	650.50		
Feb. 19, 1890	(14).....	Prior.	1,125.75		
				170,578.78	1895-53-3
Feb. 26, 1896	Urgent deficiency.....	54-1	102,810.56		
May 15, 1896	Private.....	54-1	3,519.15		
June 8, 1896	Deficiency.....	54-1	395,960.77		
June 9, 1896	Private.....	54-1	670.58		
June 10, 1896	(22).....	54-1	87,646.48		
Feb. 19, 1879	(6).....	Prior.	2,609.25		
Feb. 19, 1890	(14).....	Prior.	447.45		
Mar. 2, 1895	(21).....	Prior.	2,496.94		
				596,161.18	1896-54-1
Dec. 22, 1896	Urgent deficiency.....	54-2	700,000.00		
Feb. 8, 1897	Private.....	54-2	5,216.85		
				705,216.85	1897-54-2
June 4, 1897	Sundry civil.....	55-1	10,000.00		
June 26, 1897	Joint resolution.....	55-1	100,000.00		
July 19, 1897	Deficiency.....	55-1	433,001.83		
Feb. 19, 1879	(6).....	Prior.	2,656.50		
Mar. 2, 1895	(21).....	Prior.	40.25		
Mar. 3, 1881	(13).....	Prior.	732.60		
Feb. 19, 1890	(14).....	Prior.	270.25		
June 10, 1896	(22).....	Prior.	10,859.59		
				557,561.02	1897-55-1
Dec. 16, 1897	Deficiency.....	55-2	5,000.00		
Feb. 23, 1898	Joint resolution.....	55-2	200,000.00		
Jan. 28, 1898	Urgent deficiency.....	55-2	940,000.00		
Feb. 19, 1898	Deficiency.....	55-2	125,000.00		
Mar. 9, 1898	Urgent deficiency.....	55-2	117,000.00		
Do.....	Deficiency <sup>23</sup> .....	55-2	26,820,116.22		
Mar. 30, 1898	Joint resolution.....	55-2	<sup>24</sup> 127,432.92		
Apr. 4, 1898	Private.....	55-2	330,151.42		
May 4, 1898	Deficiency.....	55-2	100,000.00		
May 7, 1898	Private.....	55-2	69,550.39		
May 26, 1898	Joint resolution.....	55-2	3,000,000.00		
June 3, 1898	.....do.....	55-2	10,000.00		
Do.....	Private.....	55-2	28,160.25		
June 8, 1898	Urgent deficiency.....	55-2	12,000,000.00		
July 7, 1898	Deficiency.....	55-2	44,541,261.66		
Feb. 19, 1879	(6).....	Prior.	4,435.33		
Feb. 19, 1890	(14).....	Prior.	39.00		
Mar. 3, 1881	(13).....	Prior.	560.10		
Feb. 23, 1891	(18).....	Prior.	23,100.00		
June 10, 1896	(22).....	Prior.	16,016.05		
Mar. 2, 1895	(21).....	Prior.	333.75		
				88,458,157.09	1898-55-2

For footnotes, see p. 471.

Table 3.—SUMMARY OF APPROPRIATIONS FOR THE NEW NAVY, UNDER MISCELLANEOUS ACTS, FEB. 22, 1883, TO MAR. 4, 1915—Continued.

Date of act, etc.	Name of act.	Congress and session.	Amount.	Total.	Year, Con- gress, and session.
Jan. 5, 1899	Deficiency.....	55-3	<sup>25</sup> \$5,568,853.00		
Mar. 3, 1899	.....do.....	55-3	<sup>26</sup> 2,281,017.32		
Do.....	Claims.....	55-3	247,019.77		
Feb. 19, 1879	(14).....	Prior.	3,065.17		
Feb. 19, 1896	(22).....	Prior.	312.00		
June 10, 1896	Private resolution.....	Prior.	26,535.54		
Apr. 7, 1897	(28).....	Prior.	20,000.00		
June 1, 1897	(23).....	Prior.	1,045,064.40		
Mar. 9, 1898	(24).....	Prior.	5,733.00		
Mar. 30, 1898				\$9,197,600.20	1899-55-3
Feb. 9, 1900	Urgent deficiency.....	56-1	<sup>27</sup> 4,605,000.00		
Mar. 30, 1900	.....do.....	56-1	645,000.00		
May 12, 1900	Private.....	56-1	32,823.00		
June 5, 1900	.....do.....	56-1	3,500.00		
June 6, 1900	Deficiency.....	56-1	227,463.09		
Do.....	Rivers and harbors.....	56-1	10,000.00		
Feb. 19, 1879	(6).....	Prior.	2,249.00		
June 10, 1896	(22).....	Prior.	58,213.62		
Apr. 7, 1897	Private resolution.....	Prior.	20,000.00		
June 1, 1897	(28).....	Prior.	203,895.74		
Mar. 3, 1898	(23).....	Prior.	192.00		
Mar. 30, 1898	(24).....	Prior.	33.50		
Mar. 3, 1899	(26).....	Prior.		5,808,369.95	1900-56-1
Jan. 4, 1901	Urgent deficiency.....	56-2	10,000.00		
Mar. 3, 1901	Deficiency.....	56-2	4,798,879.02		
Do.....	Joint resolution.....	56-2	25,000.00		
Feb. 19, 1879	(6).....	Prior.	349.00		
June 10, 1896	(22).....	Prior.	83,411.21		
Mar. 30, 1898	(24).....	Prior.	660.00		
Feb. 14, 1902	Urgent deficiency.....	57-1	<sup>29</sup> 6,165,157.12		
Do.....	(22).....	57-1	42,633.82		
Apr. 7, 1902	Urgent deficiency.....	57-1	3,189.39		
May 27, 1902	Private act.....	57-1	701.25		
Do.....	Claims.....	57-1	5,063.75		
July 1, 1902	Deficiency.....	57-1	233,739.80		
Feb. 19, 1879	(6).....	Prior.	63.00		
June 10, 1896	(22).....	Prior.	37,604.09		
Mar. 30, 1898	(24).....	Prior.	432.00		
Feb. 7, 1903	(30).....	57-2	14,263.47		
Feb. 5, 1903	Private.....	57-2	4,000.00		
Mar. 3, 1903	.....do.....	57-2	1,951.01		
Do.....	Deficiency.....	57-2	2,693,083.22		
Do.....	Sundry civil.....	57-2	100,000.00		
June 10, 1896	(22).....	Prior.	99,725.25		
Feb. 14, 1902	(22).....	Prior.	664.28		
May 27, 1902	Claims.....	Prior.	203,219.33		
Feb. 18, 1904	Urgent deficiency.....	58-2	3,181,145.16		
Mar. 11, 1904	Private.....	58-2	63,620.59		
Apr. 27, 1904	Deficiency.....	58-2	3,025,908.59		
Apr. 28, 1904	Panama Canal.....	58-2	2,500.00		
Feb. 19, 1879	(6).....	Prior.	50.00		
June 10, 1896	(22).....	Prior.	72,353.69		
Feb. 14, 1902	(23).....	Prior.	11.44		
Feb. 7, 1903	(30).....	Prior.	1,440.50		
Jan. 5, 1905	Private.....	58-3	3,758.45		
Jan. 12, 1905	.....do.....	58-3	700.00		
Feb. 24, 1905	Claims.....	58-3	470,556.20		
Mar. 3, 1905	Deficiency.....	58-3	15,079,110.92		
Feb. 19, 1879	(6).....	Prior.	24.00		
June 10, 1896	(22).....	Prior.	68,868.07		
Feb. 7, 1903	(30).....	Prior.	199.98		
Feb. 27, 1906	Urgent deficiency.....	59-1	1,772,758.21		
Apr. 23, 1906	Deficiency.....	59-1	4,000.00		
May 3, 1906	Earthquake, Pacific coast.....	59-1	100,000.00		
June 30, 1906	Deficiency.....	59-1	1,238,082.91		
June 10, 1896	(22).....	Prior.	96,393.10		
Feb. 7, 1903	(30).....	Prior.	209.88		
Mar. 3, 1903	Naval <sup>21</sup> .....	Prior.	57,498.33		
Apr. 27, 1904	Naval <sup>21</sup> .....	Prior.	43,837.47		
Mar. 3, 1905	Treasury <sup>21</sup> .....	Prior.	125,000.00		
Do.....	Deficiency (indefinite).....	Prior.	5,892.33		
				15,623,217.62	1905-58-3
				3,443,672.23	1906-59-1

For footnotes, see p. 471.



Table 3.—SUMMARY OF APPROPRIATIONS FOR THE NEW NAVY, UNDER MISCELLANEOUS ACTS, FEB. 22, 1883, TO MAR. 4, 1915—Continued.

Date of act, etc.	Name of act.	Congress and session.	Amount.	Total.	Year, Con- gress, and session.
Jan. 25, 1907	Private.....	59-2	\$1,000.00	\$921,982.19	1907-59-2
Do.....	do.....	59-2	1,344.00		
Feb. 9, 1907	Urgent deficiency.....	59-2	250,000.00		
Feb. 26, 1907	Private.....	59-2	1,157.00		
Mar. 4, 1907	Deficiency—11 a. m.....	59-2	486,145.27		
Do.....	Deficiency—10 a. m.....	59-2	17,905.32		
Feb. 19, 1879	( <sup>6</sup> ).....	Prior.	30.00		
June 10, 1896	( <sup>22</sup> ).....	Prior.	67,882.14		
Feb. 7, 1903	( <sup>30</sup> ).....	Prior.	69.86		
Apr. 27, 1904	Naval <sup>33</sup> .....	Prior.	95,000.00		
Mar. 3, 1905	Claims (indefinite).....	Prior.	1,448.60		
Feb. 15, 1908	} Deficiency.....	60-1	824.18	7,347,020.33	1908-60-1
May 20, 1908					
Feb. 15, 1908	Urgent deficiency.....	60-1	1,614,569.35		
Apr. 7, 1908	do.....	60-1	2,000,000.00		
May 20, 1908	Deficiency.....	60-1	3,694,134.69		
May 30, 1908	Private.....	60-1	1,068.80		
Feb. 19, 1879	( <sup>6</sup> ).....	Prior.	45.00		
June 10, 1896	( <sup>22</sup> ).....	Prior.	5,130.43		
Apr. 27, 1896	Naval <sup>33</sup> .....	Prior.	29,677.71		
Mar. 4, 1907	Deficiency (indefinite).....	Prior.	1,570.17		
Jan. 5, 1909	Italian earthquake.....	60-2	800,000.00	3,107,456.80	1909-60-2
Mar. 4, 1909	Deficiency.....	60-2	2,281,865.80		
Feb. 19, 1879	( <sup>6</sup> ).....	Prior.	30.00		
Feb. 25, 1905	Omnibus claims.....	Prior.	25,561.00		
Feb. 25, 1910	Urgent deficiency.....	61-2	436,773.06		
Do.....	Deficiency.....	61-2	4,111.29		
June 25, 1910	do.....	61-2	1,233,558.54		
Do.....	Claims.....	61-2	30,084.16		
Feb. 19, 1879	( <sup>6</sup> ).....	Prior.	100.00		
Feb. 25, 1905	Omnibus claims.....	Prior.	1,787.50		
Mar. 4, 1907	Deficiency (indefinite).....	Prior.	32.63	1,706,447.18	1910-61-2
Dec. 23, 1910	Urgent deficiency.....	61-3	550,000.00		
Feb. 13, 1911	Private.....	61-3	1,315.00		
Feb. 18, 1911	do.....	61-3	1,022.00		
Do.....	do.....	61-3	5,751.75		
Mar. 4, 1911	Deficiency.....	61-3	782,254.49		
Apr. 8, 1912	Repair, etc., trophy flags.....	62-2	30,000.00		
July 3, 1912	Private.....	62-2	1,572.04		
July 6, 1912	do.....	62-2	701.12		
July 30, 1912	do.....	62-2	3,000.00		
Aug. 21, 1912	do.....	62-2	1,000.00	830,858.92	1912-62-2
Aug. 26, 1912	Deficiency.....	62-2	771,542.98		
Feb. 19, 1890	( <sup>14</sup> ).....	Prior.	288.00		
Feb. 7, 1903	( <sup>30</sup> ).....	Prior.	69.86		
June 25, 1910	Claims.....	Prior.	22,684.92		
Feb. 7, 1913	Private.....	62-3	2,000.00		
Feb. 18, 1913	do.....	62-3	750.00		
Mar. 4, 1913	Deficiency.....	62-3	1,492,429.36		
Feb. 19, 1890	( <sup>14</sup> ).....	Prior.	228.00		
Mar. 4, 1907	Deficiency (indefinite).....	Prior.	4,313.58	1,499,720.94	1913-62-3
Oct. 22, 1913	Deficiency.....	63-1	193,802.80		
Feb. 16, 1914	Naval militia.....	63-2	400,000.00		
Apr. 6, 1914	Deficiency.....	63-2	753,759.89		
Apr. 15, 1914	Private.....	63-2	1,248.00		
Apr. 16, 1914	do.....	63-2	1,000.00		
Apr. 24, 1914	Relief American citizens in Mexico.....	63-2	<sup>35</sup> 191,349.69		
Apr. 25, 1914	Public resolution.....	63-2	<sup>34</sup> 29,084.67		
July 17, 1914	Private.....	63-2	2,500.00		
July 29, 1914	Deficiency.....	63-2	1,319,864.33		
Aug. 21, 1914	Private.....	63-2	642.40	2,750,368.93	1914-63-2
Do.....	do.....	63-2	46,169.95		
Sept. 15, 1914	do.....	63-2	1,500.00		
Oct. 22, 1914	do.....	63-2	1,500.00		
Do.....	do.....	63-2	1,750.00		

For footnotes, see p. 471.

**Table 3.—SUMMARY OF APPROPRIATIONS FOR THE NEW NAVY, UNDER MISCELLANEOUS ACTS, FEB. 22, 1883, TO MAR. 4, 1915—Continued.**

Date of act, etc.	Name of act.	Congress and session.	Amount.	Total.	Year, Congress, and session.
Feb. 17, 1915	Private .....	63-3	\$955.20		
Mar. 4, 1915	.....do.....	63-3	330.88		
Do.....	Deficiency.....	63-3	1,067,756.50		
Do.....	Omnibus claims.....	63-3	1,302.00		
Feb. 16, 1914	Naval militia.....	Prior.	200,000.00	\$1,270,344.58	1915-63-3
	Total.....			178,592,946.66	

<sup>1</sup> "Payment of Japanese award."

<sup>2</sup> In addition to this amount \$27,406.51 was appropriated for 1883 and prior fiscal years.

<sup>3</sup> "Relief of officers and crew of the U. S. S. Rodgers." Indefinite appropriation. Amount warranted for the fiscal year.

<sup>4</sup> "Indemnity for lost clothing." Indefinite appropriation. Amount warranted for the fiscal year.

<sup>5</sup> "Relief of sufferers, wreck U. S. S. Huron." Indefinite appropriation. Amount warranted for the fiscal year.

<sup>6</sup> "Extra pay to officers and men who served in the Mexican War." Indefinite appropriation. Amount warranted for the fiscal year.

<sup>7</sup> In addition to this amount \$57,186.47 was appropriated for 1883 and prior fiscal years.

<sup>8</sup> In addition to this amount \$36,877.57 was appropriated for 1883 and prior fiscal years.

<sup>9</sup> In addition to this amount \$174,926.07 was appropriated for 1883 and prior fiscal years.

<sup>10</sup> "Relief of survivors, etc., steamer Jeannette."

<sup>11</sup> "Relief of sufferers, wreck steamer Ashuelot."

<sup>12</sup> "Gratuities to machinists in lieu of reenlistment."

<sup>13</sup> "Relief of persons impressed into U. S. naval service." Indefinite appropriation. Amount warranted for the fiscal year.

<sup>14</sup> "Relief of sufferers, wreck of U. S. steamers at Apia, Samoa." Indefinite appropriation. Amount warranted for the fiscal year.

<sup>15</sup> "Site for magazine, New York Harbor."

<sup>16</sup> "Increase of the Navy, nickel."

<sup>17</sup> "Medals, Jeannette arctic expedition."

<sup>18</sup> "Relief of Rodman M. Price."

<sup>19</sup> "Removal of remains of D. F. Terrell, ensign, U. S. Navy, from Alaska."

<sup>20</sup> "Reclaiming wreck of the U. S. S. Kearsarge."

<sup>21</sup> "Indemnity for lost property, naval service." Indefinite appropriation. Amount warranted for the fiscal year.

<sup>22</sup> "Navy transportation, Pacific railroads." Indefinite appropriation. Amount warranted for the fiscal year.

<sup>23</sup> "National defense." Amount warranted to the Navy Department for the fiscal year.

<sup>24</sup> "Relief of sufferers by destruction of the U. S. S. Maine." Indefinite appropriation. Amount warranted for the fiscal year.

<sup>25</sup> Includes various reappropriations amounting to \$5,307,878.

<sup>26</sup> Includes various reappropriations amounting to \$850,000; also \$351.12 warranted from indefinite appropriation.

<sup>27</sup> Includes various reappropriations amounting to \$1,850,000.

<sup>28</sup> "Transporting contributions to famine-stricken India."

<sup>29</sup> Includes \$200,000 reappropriated from the unexpended balance of "Provisions, Navy, 1900" to the "Naval Supply Fund."

<sup>30</sup> "Relief of officers and crew of the U. S. S. Charleston."

<sup>31</sup> "Entertainment of foreign naval representatives, Jamestown Exposition."

<sup>32</sup> "Reappropriation of unexpended balances, appropriation "Navy yard, Boston, Mass.," to "Navy yard, Portsmouth, N. H.," warranted during the fiscal year.

<sup>33</sup> Amount warranted during the fiscal year 1906 by act consolidating power plants at navy yards and stations.

<sup>34</sup> Amount warranted under act reappropriating unexpended balances of "Construction plant, naval station, New Orleans, La.," and "Machinery plant, naval station, New Orleans, La.," to "Naval station, New Orleans, La."

<sup>35</sup> Amount warranted to the Navy Department on account of the act for the "Relief and transportation of American citizens in Mexico."

Table 4.—SUMMARY OF ALL APPROPRIATIONS FOR THE NEW NAVY.  
FEB. 22, 1883, TO MAR. 4, 1915.

[Compiled by the Bureau of Supplies and Accounts, Navy Department.]

Year, Congress, and session.	By naval appropriation acts.	Miscellaneous acts.	Total.
1883 (47-2).....	\$16,037,512.23	\$882,776.57	\$16,920,288.80
1884 (48-1).....	8,931,856.12	1,757,293.14	10,689,149.26
1885 (48-2).....	21,460,929.54	1,145,386.43	22,606,315.97
1886 (49-1).....	16,489,556.72	922,143.49	17,411,700.21
1887 (49-2).....	25,786,847.79	37,257.79	25,824,105.58
1888 (50-1).....	19,943,281.05	1,034,551.56	20,977,832.61
1889 (50-2).....	21,692,510.27	1,963,027.17	23,655,537.44
1890 (51-1).....	23,136,035.53	2,318,815.22	25,454,850.75
1891 (51-2).....	31,541,645.78	1,234,394.86	32,776,040.64
1892 (52-1).....	23,543,266.65	450,972.19	23,994,238.84
1893 (52-2).....	22,504,061.38	121,553.68	22,625,615.06
1894 (53-2).....	25,366,826.72	325,073.75	25,691,900.47
1895 (53-3).....	29,416,077.31	170,578.73	29,586,656.09
1896 (54-1).....	30,862,660.95	596,161.18	31,458,822.13
1897 (54-2).....	34,128,234.19	705,216.85	34,833,451.04
1897 (55-1).....	.....	557,561.02	557,561.02
1898 (55-2).....	56,098,783.68	88,458,157.09	144,556,940.77
1899 (55-3).....	48,099,969.58	9,197,600.20	57,297,569.78
1900 (56-1).....	61,140,916.67	5,808,369.95	66,949,286.62
1901 (56-2).....	78,101,791.00	4,918,299.23	83,020,090.23
1902 (57-1).....	78,858,761.07	6,488,584.22	85,347,345.29
1903 (57-2).....	81,876,791.43	3,116,906.56	84,993,697.99
1904 (58-2).....	97,505,140.94	6,347,029.97	103,852,170.91
1905 (58-3).....	102,836,679.94	15,623,217.62	118,459,897.56
1906 (59-1).....	102,371,670.27	3,443,672.23	105,815,342.50
1907 (59-2).....	99,971,449.79	921,982.19	100,893,431.98
1908 (60-1).....	122,666,133.27	7,347,020.33	130,013,153.60
1909 (60-2).....	136,935,199.05	3,107,456.80	140,042,655.85
1910 (61-2).....	131,510,246.01	1,706,447.18	133,216,693.19
1911 (61-3).....	126,478,338.24	1,340,343.24	127,818,681.48
1912 (62-2).....	128,908,196.96	830,858.92	129,739,055.88
1913 (62-3).....	141,050,643.53	1,499,720.94	142,550,364.47
1913 (63-1).....	.....	193,802.80	193,802.80
1914 (63-2).....	145,503,963.48	2,750,368.93	148,254,332.41
1915 (63-3).....	149,763,563.45	1,270,344.58	151,033,908.03
Total.....	2,240,519,540.59	178,592,946.66	2,419,112,487.25
Total expenditures for the Navy from 1884 to 1915, inclusive.....	.....	.....	2,166,040,762.42

NOTES.

Tables 1, 2, 3 and 4 do not include the act of Mar. 3, 1875, authorizing the expenditure each year of \$75,000 from the proceeds of sales of ordnance material nor to appropriations for clerical and contingent expenses of Navy Department (Table 6) amounting to \$18,284,490.57.

In the preparation of Tables 1, 2, 3 and 4 all reappropriations warranted by the Treasury Department have been treated the same as new appropriations.

Tables 2, 3 and 4 are revisions of Tables 1, 2 and 3 in previous year books, made by a detailed examination of the Treasury warrants.



Table 5.—COMPARATIVE STATEMENT OF ESTIMATES AND APPROPRIATIONS, 1916-17, NAVY DEPARTMENT.

Naval Establishment.	Appropriated, 1916.	Estimates, 1917.	Increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Decrease of estimates for 1916 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1916.
Pay, miscellaneous.....	\$1,000,000.00	\$1,050,000.00	\$50,000.00		
Contingent, Navy.....	46,000.00	46,000.00			
Aeronautics <sup>1</sup> .....	1,000,000.00			\$1,000,000.00	
Advisory committee for aeronautics.....	5,000.00			5,000.00	
Arming and equipping Naval Militia.....	250,000.00	310,737.73	60,737.73		
Ships for Naval Militia of Illinois and Minnesota.....		250,000.00	250,000.00		\$250,000.00
Care of lepers, Islands of Guam and Cullion.....	14,000.00	14,000.00			
Hurricane damages, American Samoa.....	10,000.00			10,000.00	
Bureau of Navigation:					
Transportation.....	750,000.00	\$20,000.00			
Recruiting.....	130,000.00	155,000.00	25,000.00		
Contingent.....	10,000.00	10,000.00			
Gunners' exercises.....	99,800.00	135,500.00	35,700.00		
Steaming exercises.....	3,000.00	3,000.00			
Outfits on first enlistment.....	750,000.00	1,218,000.00	468,000.00		
Maintenance of naval auxiliaries.....	800,000.00	950,000.00	150,000.00		
Instrument and supplies.....	270,000.00	220,000.00		50,000.00	
Ocean and lake surveys.....	105,000.00	105,000.00			
Naval Training Station, California.....	70,000.00	70,000.00			
Naval Training Station, Rhode Island.....	85,000.00	85,000.00			
Naval Training Station, Great Lakes.....	80,000.00	80,000.00			
Naval Training Station, St. Helena.....	25,000.00	25,000.00			
Naval War College, Rhode Island.....	28,850.00	33,056.72	4,206.72		
Total.....	3,206,650.00	3,909,556.72	732,906.72	50,000.00	

<sup>1</sup> See estimate following "Increase of the Navy."

TABLE 5.—Comparative statement of estimates and appropriations, 1916-17, Navy Department—Continued.

Naval Establishment.	Appropriated, 1916.	Estimates, 1917.	Increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Decrease of estimates for 1917 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1917.
<b>Bureau of Navigation—Continued.</b>					
Naval Home, Philadelphia, Pa.—	\$22,696.00	\$22,696.00			
Pay of employees.....	54,421.00	54,421.00			
Maintenance.....					
Total.....	177,117.00	177,117.00			
<b>Bureau of Ordnance:</b>					
Ordnance and ordnance stores.....	5,795,420.00	5,845,420.00	\$50,000.00		
Purchase and manufacture of smokeless powder.....	1,150,000.00	1,800,000.00	650,000.00		
Naval gun factory, Washington, D. C.—					
New and improved machinery for existing shops.....					
Naval proving ground, Indian Head, Md.—	75,000.00	150,000.00	75,000.00		
For machinery for extension of powder factory.....					
Naval magazine, Puget Sound, Wash.—	141,620.00			\$141,620.00	
Light automobile for carrying passengers.....					
Armor plant—		600.00	600.00		\$600.00
Toward erection and equipment, including land.....		2,211,702.00	2,211,702.00		2,211,702.00
Projectile plant—					
Toward erection and equipment.....		705,611.00	705,611.00		705,611.00
New batteries for ships of the navy—					
Liners for eroded guns.....	100,000.00	100,000.00			
Ammunition for ships of the Navy.....	3,000,000.00	3,000,000.00			
Torpedoes and appliances.....	1,000,000.00	800,000.00		200,000.00	
Air compressors for destroyers.....		195,000.00	195,000.00		195,000.00
Torpedo nets for battleships.....		480,000.00	480,000.00		480,000.00
Torpedo station, Newport, R. I.—					
Maintenance, etc.....	80,000.00	100,000.00	20,000.00		
Building for storage of torpedoes.....	20,000.00			20,000.00	
New and improved machinery and tools for torpedo factory.....	30,000.00	100,000.00	70,000.00		
Experiments, Bureau of Ordnance.....	100,000.00	100,000.00			
Repairs, Bureau of Ordnance.....	30,000.00	30,000.00			
Contingent, Bureau of Ordnance.....	9,500.00	9,500.00			
Total.....	11,531,540.00	15,627,833.00	4,457,913.00	361,620.00	3,592,913.00
<b>Bureau of Yards and Docks:</b>					
Maintenance, Bureau of Yards and Docks.....	1,595,496.00	1,800,000.00	204,504.00		

Contingent, Bureau of Yards and Docks.....	50,000.00	150,000.00	100,000.00	.....
Total.....	1,645,496.00	1,950,000.00	304,504.00	.....
<b>Public works, Bureau of Yards and Docks:</b>				
Navy yard, Boston, Mass.—				
Paving, to continue.....	5,000.00	.....	5,000.00	.....
Hot-water supply system.....	10,000.00	.....	10,000.00	.....
Electric distributing system, extensions.....	10,000.00	.....	10,000.00	.....
Additional air compressor plant.....	37,500.00	37,500.00	37,500.00	37,500.00
Dredging, to continue.....	10,000.00	10,000.00	10,000.00	10,000.00
Total.....	25,000.00	47,500.00	25,000.00	47,500.00
Navy yard, New York, N. Y.—				
Yard railroad, extension and equipment.....	10,000.00	.....	10,000.00	.....
To complete construction of Pier C (cost not to exceed \$150,000).....	85,000.00	.....	85,000.00	.....
Distributing system, extensions.....	15,000.00	.....	.....	.....
Dredging, to continue.....	25,000.00	25,000.00	10,000.00	.....
Total.....	135,000.00	75,000.00	35,000.00	95,000.00
Navy yard, Philadelphia, Pa.—				
Railroad system, extensions.....	10,000.00	.....	10,000.00	.....
Distribution systems, extensions.....	10,000.00	.....	10,000.00	.....
Dredging, to continue.....	25,000.00	25,000.00	.....	.....
Paving, to continue.....	10,000.00	.....	10,000.00	.....
Enlarging building slip and equipment.....	.....	150,000.00	150,000.00	150,000.00
Total.....	55,000.00	175,000.00	150,000.00	150,000.00
Navy Yard, Washington, D. C.—				
Fireproof general storehouse (cost not to exceed \$225,000), to complete.....	125,000.00	.....	125,000.00	.....
Railroad system, improvements and extensions.....	10,000.00	.....	10,000.00	.....
Electric system, extension.....	10,000.00	.....	10,000.00	.....
Gun shop, additional (to cost \$800,000).....	200,000.00	200,000.00	200,000.00	200,000.00
Fireproof model storehouse.....	65,000.00	65,000.00	65,000.00	65,000.00
Fuel oil storage.....	18,000.00	18,000.00	18,000.00	18,000.00
Total.....	145,000.00	283,000.00	283,000.00	283,000.00
Navy yard, Norfolk, Va.—				
Building for school.....	50,000.00	.....	50,000.00	.....
Railroad system, extensions.....	15,000.00	.....	15,000.00	.....
Disinfecting plant.....	15,000.00	.....	15,000.00	.....
For the construction of a building slip and equipment.....	50,000.00	.....	50,000.00	.....
150-ton crane.....	265,000.00	265,000.00	265,000.00	265,000.00
Dry dock (limit of cost, \$3,500,000).....	200,000.00	200,000.00	200,000.00	200,000.00
Total.....	130,000.00	465,000.00	465,000.00	465,000.00

<sup>1</sup> Not included in total, paid from interest on Navy pension fund.



TABLE 5.—Comparative statement of estimates and appropriations, 1916-17, Navy Department—Continued.

	Appropriated, 1916.	Estimates, 1917.	Increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Decrease of estimates for 1917 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1917.
Naval Establishment.					
Public works, Bureau of Yards and Docks—Continued.					
Navy yard, Charleston, S. C.—					
Dredging, to continue.....	\$20,000.00	\$12,000.00	.....	\$8,000.00	.....
Paving and grading, to continue.....	10,000.00	.....	.....	10,000.00	.....
To make dry and wet borings to determine water-front conditions for locating suitable piers and slips.....	15,000.00	.....	.....	15,000.00	.....
For the construction of building ways for constructing tugs, lighters, barges, and small auxiliary craft.....	50,000.00	.....	.....	50,000.00	.....
Total.....	95,000.00	12,000.00	.....	95,000.00	.....
Naval station, Key West, Fla.—	5,000.00	.....	.....	5,000.00	.....
Dredging, to continue.....	.....	.....	.....	.....	.....
Navy yard, Mare Island, Cal.—	20,000.00	.....	.....	20,000.00	.....
Dredging and diking, to continue.....	10,000.00	.....	.....	10,000.00	.....
Railroad system, extensions.....	7,500.00	.....	.....	7,500.00	.....
Garbage crematory.....	15,000.00	.....	.....	15,000.00	.....
Improvements and extensions to distributing systems.....	12,500.00	.....	.....	12,500.00	.....
Oil storage.....	.....	50,000.00	\$50,000.00	.....	\$50,000.00
Maintenance of dikes and dredging.....	.....	25,000.00	25,000.00	.....	25,000.00
Erecting shop.....	.....	.....	.....	.....	.....
Total.....	65,000.00	75,000.00	75,000.00	65,000.00	75,000.00
Naval Academy, Annapolis, Md.—	.....	70,000.00	70,000.00	.....	70,000.00
Sea wall.....	.....	.....	.....	.....	.....
Navy yard, Puget Sound, Wash.—	15,000.00	15,000.00	.....	.....	.....
Dredging, to continue.....	25,000.00	.....	.....	25,000.00	.....
Railroad system, extensions.....	20,000.00	.....	.....	20,000.00	.....
Building slip for submarines.....	.....	.....	.....	.....	.....
Total.....	60,000.00	15,000.00	.....	45,000.00	.....
Naval station, Pearl Harbor, Hawaii—	700,000.00	700,000.00	700,000.00	.....	700,000.00
Dry dock, to continue.....	.....	.....	.....	.....	.....

Storehouses, to continue.....	15,000.00	15,000.00	15,000.00	15,000.00
Total.....	715,000.00	715,000.00	715,000.00	715,000.00
Naval station, Tutuila, Samoa— Officers' quarters.....		4,000.00	4,000.00	4,000.00
Naval station, Guam— Water-front improvements.....		1,000.00	1,000.00	1,000.00
Guns and munitions storage.....		286,000.00	286,000.00	286,000.00
Naval magazine, Fort Mifflin, Pa.— 1 shell house.....	25,000.00			25,000.00
Fixed ammunition storehouse.....	13,000.00			13,000.00
1 magazine.....	13,000.00			13,000.00
Refueling plant, extension.....	7,000.00			7,000.00
Railroad system, extensions.....	6,000.00			6,000.00
Office building.....		5,000.00	5,000.00	5,000.00
Total.....	64,000.00	5,000.00	5,000.00	5,000.00
Naval magazine, Hingham, Mass.— Smokeless-powder test building.....		1,300.00	1,300.00	1,300.00
Quarters for guard.....		5,000.00	5,000.00	5,000.00
Total.....		6,300.00	6,300.00	6,300.00
Naval proving ground, Indian Head, Md.— Toward extension of powder factory (cost not to exceed \$500,000), to complete public-work features.....	158,380.00			158,380.00
3 powder dry houses.....		15,000.00	15,000.00	15,000.00
Fire protection.....		38,000.00	38,000.00	38,000.00
Total.....	158,380.00	53,000.00	53,000.00	53,000.00
Naval magazine, Iona Island, N. Y.— Quarters for guards.....		5,000.00	5,000.00	5,000.00
Naval magazine, Lake Denmark, N. J.— Fire and boundary wall.....		5,000.00	5,000.00	5,000.00
Quarters for guards.....		10,000.00	10,000.00	10,000.00
Total.....		15,000.00	15,000.00	15,000.00
Naval torpedo station, Keyport, Wash.— Railroad system.....		5,000.00	5,000.00	5,000.00
1 officer's quarters.....		6,000.00	6,000.00	6,000.00
Total.....		11,000.00	11,000.00	11,000.00

TABLE 5.—Comparative statement of estimates and appropriations, 1916-17, Navy Department—Continued.

	Appropriated, 1916.	Estimates, 1917.	Increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Decrease of estimates for 1917 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1917.
Naval Establishment.					
Public works, Bureau of Yards and Docks—Continued.					
Naval magazine, Kuahua, Hawaii—		\$3,000.00	\$3,000.00	.....	\$3,000.00
Surveillance test house.....		2,000.00	2,000.00	.....	2,000.00
Filling house for explosive D.....					
Total.....		5,000.00	5,000.00	.....	5,000.00
Naval magazine, Mare Island, Cal.—					
Laboratory and testing building.....		3,000.00	3,000.00	.....	3,000.00
Naval torpedo station, Newport, R. I.—					
Seaman gunners' quarters.....		60,000.00	60,000.00	.....	60,000.00
Sea wall and filling.....		36,000.00	36,000.00	.....	36,000.00
Total.....		96,000.00	96,000.00	.....	96,000.00
Naval magazine, Puget Sound, Wash.—					
Shell house.....	\$15,000.00			\$15,000.00	
2 magazines.....	30,000.00			30,000.00	
Storage sheds.....	4,000.00			4,000.00	
House on pier.....	2,000.00			2,000.00	
Pier extension.....	4,000.00			4,000.00	
Lightning protection.....	3,000.00			3,000.00	
2 filling houses.....		3,000.00	3,000.00	.....	3,000.00
Guardhouse.....		4,000.00	4,000.00	.....	4,000.00
Total.....	58,000.00	7,000.00	7,000.00	58,000.00	7,000.00
Naval magazine, St. Juliens Creek, Va.—					
1 shell house.....	20,000.00			20,000.00	
Filling house.....		2,000.00	2,000.00	.....	2,000.00
Railroad and locomotive house.....		16,000.00	16,000.00	.....	16,000.00
Total.....	20,000.00	18,000.00	18,000.00	20,000.00	18,000.00
Depots for coal and other fuel.....	500,000.00	500,000.00			



Naval coaling station, Melville, R. I.— Improvements to water supply, including purchase of land.....		15,000.00		15,000.00		15,000.00
Naval training station, San Francisco, Cal.— Dredging and extension of wharf for receiving ship.....	15,000.00				15,000.00	
Naval hospital, Canacao, P. I.— 6 contagious-disease units.....			3,600.00	3,600.00		3,600.00
Naval hospital, Chelsea, Mass.— Sea wall.....			14,700.00	14,700.00		14,700.00
Naval hospital, Mare Island, Cal.— Mess-hall extension.....			15,000.00	15,000.00		15,000.00
Naval hospital, Newport, R. I.— 3 contagious wards.....			18,000.00	18,000.00		18,000.00
Naval hospital, New York, N. Y.— 3 contagious-disease units.....	15,000.00				15,000.00	
Remodeling house No. 4.....			10,000.00	10,000.00		10,000.00
Marine Barracks, Guam— Squad houses and officers' quarters.....			10,000.00	10,000.00		10,000.00
Marine Barracks, Mare Island, Cal.— Barracks.....	200,000.00				200,000.00	
Marine Barracks, Norfolk, Va.— Marine barracks.....	200,000.00				200,000.00	
Submarine bases.....			1,000,000.00	1,000,000.00		1,000,000.00
Experimental laboratory.....			1,000,000.00	1,000,000.00		1,000,000.00
Repairs and preservation at navy yards and stations.....	1,097,436.00		1,100,000.00	2,564.00		
Recapitulation—						
Navy yard, Boston, Mass.....	25,000.00		47,500.00	22,500.00		47,500.00
Navy yard, New York, N. Y.....	135,000.00		75,000.00		60,000.00	
Navy yard, Philadelphia, Pa.....	55,000.00		175,000.00	120,000.00		150,000.00
Navy yard, Washington, D. C.....	145,000.00		293,000.00	138,000.00		283,000.00
Navy yard, Norfolk, Va.....	130,000.00		465,000.00	335,000.00		465,000.00
Navy yard, Charleston, S. C.....	95,000.00		12,000.00		83,000.00	
Naval station, Key West, Fla.....	5,000.00				5,000.00	
Navy yard, Mare Island, Cal.....	65,000.00		75,000.00	10,000.00		75,000.00
Naval Academy, Annapolis, Md.....			70,000.00	70,000.00		70,000.00
Navy yard, Puget Sound, Wash.....			15,000.00		45,000.00	
Naval station, Pearl Harbor, Hawaii.....	60,000.00		715,000.00			715,000.00
Naval station, Tutuila, Samoa.....			4,000.00			4,000.00
Naval station, Guam.....			1,000.00	1,000.00		1,000.00

TABLE 5.—Comparative statement of estimates and appropriations, 1916-17, Navy Department—Continued.

Naval Establishment.	Appropriated, 1916.	Estimates, 1917.	Net increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Net decrease of estimates for 1917 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1917.
Public works, Bureau of Yards and Docks—Continued.					
Recapitulation—Continued.					
Guns and munitions storage.....					
Naval magazine, Fort Mifflin, Pa.....	\$64,000.00	\$286,000.00	\$286,000.00	\$59,000.00	\$286,000.00
Naval magazine, Hingham, Mass.....		3,000.00			6,300.00
Naval Proving Ground, Indianhead, Md.....	158,380.00	6,300.00	6,300.00	105,380.00	53,000.00
Naval magazine, Iona Island, N. Y.....		3,000.00	5,000.00		3,000.00
Naval magazine, Lake Denmark, N. J.....		15,000.00	15,000.00		15,000.00
Naval torpedo station, Keyport, Wash.....		11,000.00	11,000.00		11,000.00
Naval magazine, Kuahua, Hawaii.....		3,000.00	3,000.00		3,000.00
Naval magazine, Mare Island, Cal.....		3,000.00	96,000.00		96,000.00
Naval torpedo station, Newport, R. I.....	58,000.00	7,000.00		51,000.00	7,000.00
Naval magazine, Puget Sound, Wash.....	20,000.00	18,000.00		2,000.00	18,000.00
Naval magazine, St. Julien Creek, Va.....	500,000.00	500,000.00			18,000.00
Depots for coal and other fuel.....		15,000.00	15,000.00		15,000.00
Naval coaling station, Melville, R. I.....					
Naval training station, San Francisco, Cal.....	15,000.00			15,000.00	
Naval hospital, Canacao, P. I.....		3,600.00	3,600.00		3,600.00
Naval hospital, Chelsea, Mass.....		14,700.00	14,700.00		14,700.00
Naval hospital, Mare Island, Cal.....		15,000.00	15,000.00		15,000.00
Naval hospital, Newport, R. I.....		18,000.00	18,000.00		18,000.00
Naval hospital, New York, N. Y.....	15,000.00	10,000.00		5,000.00	10,000.00
Marine barracks, Guam.....		10,000.00	10,000.00		10,000.00
Marine barracks, Mare Island, Cal.....	200,000.00			200,000.00	
Marine barracks, Norfolk, Va.....	200,000.00			200,000.00	
Submarine bases.....		1,000,000.00	1,000,000.00		1,000,000.00
Experimental laboratory.....		1,000,000.00	1,000,000.00		1,000,000.00
Repairs and preservation at navy yards and stations.....	1,097,436.00	1,100,000.00	2,564.00		
Total, public works.....	\$3,042,816.00	6,134,100.00	3,921,664.00	\$30,380.00	4,402,100.00
Bureau of Medicine and Surgery:					
Medical Department.....	525,000.00	700,000.00			
Contingent, Bureau of Medicine and Surgery.....	142,000.00	142,000.00	175,000.00		
Transportation of remains.....	15,000.00	17,500.00	2,500.00		
Total.....	682,000.00	\$89,500.00	177,500.00		

Pay of the Navy.....	41,240,563.00	45,674,996.86	4,434,433.86	.....
Naval Reserve.....	130,000.00	130,000.00	.....	.....
Bureau of Supplies and Accounts:				
Provisions, Navy.....	7,601,014.00	8,609,358.85	1,008,344.85	.....
Maintenance, Bureau of Supplies and Accounts.....	1,829,400.55	2,100,000.00	270,599.45	.....
Freight, Bureau of Supplies and Accounts.....	625,000.00	725,000.00	100,000.00	.....
Fuel and transportation.....	4,500,000.00	5,000,000.00	500,000.00	.....
Total.....	14,555,414.55	16,434,358.85	1,878,944.30	.....
Bureau of Construction and Repair:				
Construction and repair of vessels.....	9,106,127.00	10,050,000.00	943,873.00	.....
Improvement of construction plants.....	.....	200,000.00	90,000.00	.....
Navy yard, Portsmouth, N. H.....	10,000.00	.....	.....	.....
Navy yard, Boston, Mass.....	10,000.00	.....	.....	.....
Navy yard, New York, N. Y.....	20,000.00	.....	.....	.....
Navy yard, Philadelphia, Pa.....	15,000.00	.....	.....	.....
Navy yard, Norfolk, Va.....	15,000.00	.....	.....	.....
Navy yard, Charleston, S. C.....	15,000.00	.....	.....	.....
Navy yard, Mare Island, Cal.....	15,000.00	.....	.....	.....
Navy yard, Puget Sound, Wash.....	10,000.00	.....	.....	.....
Total.....	9,216,127.00	10,270,000.00	1,033,873.00	.....
Bureau of Steam Engineering:				
Engineering.....	7,742,973.00	9,000,000.00	1,257,027.00	.....
High-power radio stations.....	400,000.00	300,000.00	100,000.00	.....
Engineering (special).....	.....	1,000,000.00	1,000,000.00	1,000,000.00
Machinery plants.....	.....	200,000.00	200,000.00	200,000.00
Engineering experiment station, United States Naval Academy, Annapolis, Md.—	60,000.00	60,000.00	.....	.....
Experimental and research work.....	20,000.00	20,000.00	.....	.....
Equipment of building.....	.....	.....	.....	.....
Total.....	8,222,973.00	10,580,000.00	2,457,027.00	1,200,000.00
Naval Academy:				
Civil establishment.....	186,034.00	186,191.92	157.92	.....
Current and miscellaneous expenses.....	33,500.00	33,500.00	.....	.....
Maintenance and repairs.....	279,116.00	274,116.00	5,000.00	.....
Total.....	498,650.00	493,807.92	157.92	5,000.00
United States Marine Corps:				
Pay of the Marine Corps—				
Pay, officers, active list.....	980,799.50	1,130,079.00	149,279.50	.....
Pay, officers, retired list.....	189,702.50	180,872.50	8,830.00	.....
Pay, noncommissioned officers, musicians, privates, active list.....	2,832,764.05	3,221,261.02	288,496.97	.....
Pay, enlisted men, retired list.....	160,557.00	152,091.00	8,766.00	.....
Undrawn clothing.....	120,000.00	90,000.00	30,000.00	.....



TABLE 5.—Comparative statement of estimates and appropriations, 1916-17, Navy Department—Continued.

Naval Establishment.		Appropriated, 1916.	Estimates, 1917.	Increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Decrease of estimates for 1917 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1917.
United States Marine Corps—Continued.						
Pay of the Marine Corps—Continued.						
Mileage.....		\$45,000.00	\$50,000.00	\$5,000.00		
Commutation of quarters.....		46,000.00	51,000.00	5,000.00		
Pay, civil force—						
Office of the major general commandant.....		4,371.28	4,771.28	400.00		
Paymaster's Department.....		4,700.00	4,700.00			
Adjutant and Inspector's Department.....		6,100.00	7,900.00	1,800.00		
Quartermaster's Department.....		20,540.00	16,740.00		\$3,800.00	
Total.....		4,510,834.33	4,909,414.80	449,976.47	51,396.00	
Maintenance, Quartermaster's Department, Marine Corps—						
Provisions.....		800,000.00	1,025,875.00	135,875.00		
Clothing.....		620,063.00	769,313.00	149,250.00		
Fuel.....		164,000.00	169,996.36	5,996.36		
Military stores.....		307,737.00	472,737.00	165,000.00		
Transportation and recruiting.....		317,000.00	406,480.00	89,480.00		
Repairs of barracks.....		140,000.00	140,000.00			
Forage.....		22,200.00	31,088.00	8,888.00		
Commutation of quarters.....		79,000.00	98,872.00	19,872.00		
Contingent.....		460,000.00	541,400.00	81,400.00		
Total.....		3,000,000.00	3,655,741.36	655,741.36		
Increase of the Navy (exclusive of first year of new-building program):						
Construction and machinery.....		13,464,459.00	14,086,534.00	622,075.00		
Torpedo boats.....		1,341,344.00	5,282,593.00	3,941,249.00		
Armor and armament.....		9,000,000.00	9,000,000.00			
Total.....		23,805,803.00	28,369,127.00	4,563,324.00		
Increase of the Navy (first year of proposed building program):						
Construction and machinery.....		7,200,000.00	27,647,000.00	20,447,000.00		
Torpedo boats.....		4,890,000.00	7,675,000.00	2,785,000.00		
Armor and armament.....		9,957,998.00	21,631,000.00	11,723,002.00		
Total.....		22,047,998.00	57,003,000.00	34,955,002.00		
Aviation.						
Increase of reserve munitions.....			2,000,000.00	2,000,000.00		
Total.....			8,000,000.00	8,000,000.00		\$8,000,000.00

## RECAPITULATION.

Naval Establishment.	Appropriated, 1916.	Estimates, 1917.	Net increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Net decrease of estimates for 1917 as com- pared with amount appro- priated for 1917 for same pur- pose.	New items, 1917.
Pay, miscellaneous.	\$1,000,000.00	\$1,050,000.00	\$50,000.00	.....	.....
Contingent Navy	46,000.00	46,000.00	.....	.....	.....
Aeronautics	1,000,000.00	.....	.....	\$1,000,000.00	.....
Advisors	5,000.00	.....	.....	.....	.....
Advisory committees for aeronautics	.....	310,737.73	60,737.73	.....	.....
Arms and equipping Naval Militia	250,000.00	250,000.00	250,000.00	.....	\$250,000.00
Ships for Naval Militia of Illinois and Minnesota	.....	11,000.00	.....	.....	.....
Coast Guard, etc., Island of Guam	14,000.00	.....	.....	.....	.....
Relief of Philippines, American Samoa, hurricane damages	10,000.00	.....	.....	10,000.00	.....
Bureau of Navigation	3,206,650.00	3,909,556.72	702,906.72	.....	.....
Bureau of Yards and Docks	11,531,540.00	15,627,833.00	4,096,293.00	.....	3,592,913.00
Bureau of Ordnance	1,645,496.00	1,950,000.00	304,504.00	.....	.....
Public Works, Bureau of Yards and Docks.	3,042,816.00	6,134,100.00	3,091,284.00	.....	4,402,100.00
Bureau of Medicine and Surgery	682,000.00	6,859,500.00	3,177,500.00	.....	.....
Pay of the Navy	41,240,563.00	45,674,996.86	4,434,433.86	.....	.....
Naval Reserve	130,000.00	130,000.00	.....	.....	.....
Bureau of Supplies and Accounts	14,555,414.55	16,434,558.85	1,878,944.30	.....	.....
Bureau of Construction and Repair	9,216,127.00	10,250,000.00	1,033,873.00	.....	.....
Bureau of Steam Engineering	8,222,973.00	10,580,000.00	2,357,027.00	.....	1,200,000.00
Naval Academy	498,650.00	493,807.92	.....	4,842.08	.....
Marine Corps	.....	.....	.....	.....	.....
Paymaster	4,510,834.33	4,909,414.80	398,580.47	.....	.....
Quartermaster	3,000,000.00	3,655,741.36	655,741.36	.....	.....
Total	103,808,063.88	122,280,017.24	19,491,825.44	1,019,842.08	9,445,013.00
Increase of the Navy—old program:	.....	.....	.....	.....	.....
Construction and machinery	13,464,450.00	14,086,534.00	622,075.00	.....	.....
Torpedo boats	1,341,344.00	5,282,593.00	3,941,249.00	.....	.....
Armor and armament	5,000,000.00	9,000,000.00	.....	.....	.....
Total	23,805,803.00	28,369,127.00	4,563,324.00	.....	.....
Total, exclusive of new building program	127,613,866.88	150,649,174.24	24,055,149.44	1,019,842.08	9,445,013.00

TABLE 5.—Comparative statement of estimates and appropriations, 1916-17, Navy Department—Continued.

## RECAPITULATION—Continued.

Naval Establishment.	Appropriated, 1916.	Estimates, 1917.	Net increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Net decrease of estimates for 1917 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1917.
Increase of the Navy—new program:					
Construction and machinery.....	\$7,200,000.00	\$27,647,000.00	\$20,447,000.00	.....	.....
Torpedo boats.....	4,890,000.00	7,675,000.00	2,785,000.00	.....	.....
Armor and armament.....	9,957,998.00	21,681,000.00	11,723,002.00	.....	.....
Total.....	22,047,998.00	57,003,000.00	34,955,002.00	.....	.....
Total of old and new building programs.....	45,853,801.00	85,372,127.00	39,518,326.00	.....	.....
Total for maintenance and increase of the Navy.....	149,661,864.88	207,652,174.24	59,010,151.44	\$1,019,842.08	\$9,445,013.00
Aviation.....	.....	2,000,000.00	2,000,000.00	.....	.....
Increase of reserve munitions.....	.....	8,000,000.00	8,000,000.00	.....	8,000,000.00
Total.....	.....	10,000,000.00	10,000,000.00	.....	8,000,000.00
Grand total.....	149,661,864.88	217,652,174.24	69,010,151.44	1,019,842.08	17,445,013.00



TABLE 5.—Comparative statement of estimates and appropriations, 1916-17, Navy Department—Continued.

	Appropriated, 1916.	Estimates, 1917.	Increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Decrease of estimates for 1917 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1917.
<b>Navy Department.</b>					
<b>Office of the Secretary:</b>					
Salaries.....	\$84,680.00	\$83,050.00			
Private secretary to Secretary (increase of \$250 submitted).....			\$250.00		
Stenographer to Secretary (submitted in lieu of clerk of class 3).....			200.00		
Private secretary to Assistant Secretary (submitted in lieu of clerk of class 4).....			600.00		
Appointment clerk (submitted in lieu of clerk of class 4).....			200.00		
Estimate clerk (submitted in lieu of clerk of class 4).....			200.00		
Purchasing clerk (submitted in lieu of clerk of class 3).....			200.00		
Carpenter (increase of \$300 submitted).....			300.00		
Mail messenger (submitted in lieu of messenger).....			160.00		
Telephone switchboard operator (submitted in lieu of assistant telephone switchboard operator).....			120.00		
1 clerk, at \$1,000, omitted.....				\$1,000.00	
1 clerk, at \$1,100, who shall be a telegrapher as well, omitted.....				1,100.00	
1 telegrapher, at \$1,100, omitted.....				1,100.00	
1 laborer omitted.....				650.00	
Total.....	84,680.00	83,050.00	2,230.00	3,860.00	
<b>Office of the Solicitor:</b>					
Salaries.....	16,990.00	16,990.00			
<b>Office of Naval Records and Library:</b>					
Salaries.....	21,000.00	21,000.00			
Necessary traveling expenses for collection of records.....	100.00	100.00			
Printing and binding Naval Records of the Rebellion.....	30,210.42			30,210.42	
Total.....	51,310.42	21,100.00		30,210.42	
<b>Office of Judge Advocate General:</b>					
Salaries.....	12,320.00	12,320.00			
<b>Office of Chief of Naval Operations:</b>					
Salaries.....		26,350.00	2,250.00		\$2,250.00
Chief clerk (submitted).....					
Clerks—					
1 of class 4 (submitted).....			1,800.00		1,800.00
1 of class 3 (submitted).....			1,600.00		1,600.00

TABLE 5.—Comparative statement of estimates and appropriations, 1916-17, Navy Department—Continued.

Navy Department.		Appropriated, 1916.	Estimates, 1917.	Increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Decrease of estimates for 1917 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1917.
Office of Chief of Naval Operations—Continued.						
Salaries—Continued.						
Clerks—Continued.						
3 of class 2 (submitted).....		.....	.....	\$4,200.00	.....	\$4,200.00
3 of class 1 (submitted).....		.....	.....	3,600.00	.....	3,600.00
3 at \$1,000 each (submitted).....		.....	.....	3,000.00	.....	3,000.00
1 at \$900 (submitted).....		.....	.....	900.00	.....	900.00
1 at \$800 (submitted).....		.....	.....	1,800.00	.....	1,800.00
Chief telegrapher (submitted).....						
Telegraphers.....						
1 at \$1,400 (submitted).....		.....	.....	1,400.00	.....	1,400.00
1 at \$1,200 (submitted).....		.....	.....	1,200.00	.....	1,200.00
1 at \$1,100 (submitted).....		.....	.....	1,100.00	.....	1,100.00
1 at \$1,000 (submitted).....		.....	.....	1,440.00	.....	1,440.00
Assistant messengers, 2 (submitted).....						
Messenger boys—.....						
1 at \$600 (submitted).....		.....	.....	600.00	.....	600.00
2 at \$400 each (submitted).....		.....	.....	800.00	.....	800.00
Laborer (submitted).....						
Total.....						
		.....	\$26,350.00	26,350.00	.....	26,350.00
Bureau of Navigation:						
Salaries.....						
2 chiefs of division (new), at \$2,000 each.....		\$80,650.00	89,450.00	4,000.00	.....	4,000.00
1 clerk, class 4 (new).....		.....	.....	1,800.00	.....	1,800.00
1 clerk, class 3 (new).....		.....	.....	1,600.00	.....	1,600.00
1 clerk, class 2 (new).....		.....	.....	1,400.00	.....	1,400.00
Total.....						
		80,650.00	89,450.00	8,800.00	.....	8,800.00
Office of Naval Intelligence—						
Salaries.....						
Chief clerk, at \$2,000 (in lieu of clerk of class 4).....		12,300.00	15,500.00	200.00	.....	.....
Clerk of class 2 (submitted).....		.....	.....	1,400.00	.....	1,400.00
Translator, at \$1,600 (increase of \$200 submitted).....		.....	.....	200.00	.....	.....
Translator, at \$1,200 (submitted).....		.....	.....	1,200.00	.....	1,200.00
Draftsman, at \$1,400 (in lieu of assistant draftsman, at \$1,200).....		.....	.....	200.00	.....	.....
Total.....						
		12,300.00	15,500.00	3,200.00	.....	2,600.00

<b>Hydrographic Office—</b>							
Salaries.....		123,660.00	123,660.00				
Contingent and miscellaneous expenses, Hydrographic Office—							
For purchase of copperplates, etc.....		26,000.00	26,000.00				
Contingent expenses for branch offices.....		10,000.00	10,000.00				
Services of necessary employees at branch offices.....		17,960.00	17,960.00				
Total.....		177,620.00	177,620.00				
<b>Naval Observatory—</b>							
Salaries.....		44,240.00	44,510.00				
Assistant, department of nautical instruments (increase of \$200 submitted)				200.00			
Instrument maker (increase of \$100 submitted).....				100.00			
Contingent and miscellaneous expenses—							
Miscellaneous computations.....		5,000.00	5,000.00				
Books, etc.....		750.00	750.00				
Apparatus, etc.....		2,000.00	2,000.00				
Repairs, etc.....		3,000.00	3,000.00				
Fuel, etc.....		8,000.00	8,000.00				
Grounds and roads.....		5,000.00	5,000.00				
Total.....		67,990.00	68,260.00	300.00			
<b>Nautical Almanac Office—</b>							
Salaries.....		19,240.00	19,240.00				
Pay of computers on piecework, etc.....		3,000.00	3,000.00				
Total.....		22,240.00	22,240.00				
<b>Bureau of Steam Engineering:</b>							
Salaries.....		45,490.00	47,210.00				
1 clerk of class 4 in lieu of 1 clerk of class 3 (submitted).....				200.00			
1 clerk of class 2 (submitted).....				1,400.00			1,400.00
Laborer, at \$720, in lieu of laborer at \$600 (submitted).....				120.00			
Total.....		45,490.00	47,210.00	1,720.00			1,400.00
<b>Bureau of Construction and Repair:</b>							
Salaries.....		59,650.00	68,140.00				
Chief clerk (increase of \$250 submitted).....				250.00			
2 clerks, at \$2,000 each (submitted).....				4,000.00			4,000.00
1 clerk, at \$1,300 (submitted).....				1,300.00			1,300.00
3 clerks, class 1 (submitted).....				3,600.00			3,600.00
1 clerk, at \$1,100 (submitted).....				1,100.00			1,100.00
3 clerks, at \$1,000 each (a decrease of 3 submitted).....					\$3,000.00		
2 messengers, at \$850 each (in lieu of 2 assistant messengers, at \$720 each).....				210.00			
Messenger boy, at \$400 (submitted).....				600.00			600.00
Messenger boy, at \$400 (submitted).....				400.00			400.00
Total.....		59,650.00	68,140.00	11,490.00	3,000.00		11,000.00



TABLE 5.—Comparative statement of estimates and appropriations, 1916-17, Navy Department—Continued.

Navy Department.		Appropriated, 1916.	Estimates, 1917.	Increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Decrease of estimates for 1917 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1917.
Bureau of Ordnance:						
Salaries.....	1 clerk, at \$2,000, in lieu of one Ordnance engineer, mechanical draftsman, and computer, at \$3,000 (submitted).....	\$33,210.00	\$32,210.00		\$1,000.00	
Total.....		33,210.00	32,210.00		1,000.00	
Bureau of Supplies and Accounts:						
Salaries.....	Statistician (new).....	115,290.00	125,610.00	\$1,800.00		\$1,800.00
	1 clerk, at \$2,000 (in lieu of clerk, at \$1,000).....			1,000.00		
	3 clerks, class 4 (in lieu of 1 clerk, at \$1,000, and 2 clerks, at \$900).....			2,000.00		
	1 clerk, class 3 (in lieu of clerk, at \$900).....			700.00		
	3 clerks, class 2 (2 in lieu of 2 clerks, at \$900, and 1 in lieu of copyist, at \$840).....			1,500.00		
	3 clerks, at \$1,100 (1 in lieu of copyist, at \$840).....			2,400.00		
	1 messenger boy, at \$600 (in lieu of messenger boy, at \$400).....			200.00		
Total.....		115,290.00	125,610.00	10,320.00		4,000.00
Bureau of Medicine and Surgery:						
Salaries.....		19,950.00	19,950.00			
Bureau of Yards and Docks:						
Salaries.....		23,290.00	23,290.00			
Contingent expenses, Navy Department.....		72,000.00	78,000.00	6,000.00		
NOTE.—The Treasury Department has been requested to include an estimate of \$157,000 for printing and binding for the Navy Department for the fiscal year ending June 30, 1917.						

## RECAPITULATION.

Navy Department.		Appropriated, 1916.	Estimates, 1917.	Net increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Net decrease of estimates for 1917 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1917.
Secretary's office.....		\$84,680.00	\$83,050.00	.....	\$1,630.00	.....
Office of the Solicitor.....		16,990.00	16,990.00	.....	.....	.....
Library of the Navy Department.....		51,310.42	21,100.00	.....	30,210.42	.....
Office of the Judge Advocate General.....		12,320.00	12,320.00	.....	.....	.....
Office of Chief of Naval Operations.....		.....	26,350.00	.....	.....	.....
Bureau of Navigation.....		.....	89,450.00	\$26,350.00	.....	\$26,350.00
Bureau of Naval Intelligence.....		80,650.00	15,500.00	8,800.00	.....	8,800.00
Hydrographic Office.....		12,300.00	177,620.00	3,200.00	.....	2,600.00
Naval Observatory.....		177,620.00	177,620.00	.....	.....	.....
Nautical Almanac Office.....		22,240.00	68,290.00	300.00	.....	.....
Bureau of Steam Engineering.....		45,490.00	22,240.00	.....	.....	.....
Bureau of Construction and Repair.....		59,650.00	47,210.00	1,720.00	.....	1,400.00
Bureau of Ordnance.....		33,210.00	68,140.00	8,490.00	.....	11,000.00
Bureau of Supplies and Accounts.....		115,290.00	32,210.00	.....	1,000.00	.....
Bureau of Medicine and Surgery.....		19,950.00	125,610.00	10,320.00	.....	4,000.000
Bureau of Yards and Docks.....		23,290.00	19,950.00	.....	.....	.....
Contingent expenses, Navy Department.....		72,000.00	78,000.00	6,000.00	.....	.....
Total.....		\$84,980.42	927,320.00	65,180.00	32,840.42	54,150.00

TABLE 5.—*Comparative statement of estimates and appropriations, 1916-17, Navy Department—Continued.*  
SUMMARY.

Naval and civil establishment.	Appropriated, 1916.	Estimates, 1917.	Increase of estimates for 1917 over amount appro- priated for 1916 for same pur- pose.	Decrease of estimates for 1917 as com- pared with amount appro- priated for 1916 for same pur- pose.	New items, 1917.
Legislative bill.....	\$504,980.42	\$927,320.00	\$32,339.58	-----	-----
Naval bill (exclusive of new building program, aviation, and increase of reserve munitions).....	127,613,866.88	150,648,174.24	23,035,307.36	-----	-----
Permanent annual and indefinite appropriations.....	1,446,477.00	1,888,117.00	441,640.00	-----	-----
Total for Navy Department (exclusive of new building program, aviation, and in- crease of reserve munitions).....	129,955,324.30	153,474,611.24	23,519,286.94	-----	-----
New building program (cost of first year's work).....	22,647,998.00	57,003,000.00	34,355,002.00	-----	-----
Aviation.....	-----	2,000,000.00	2,000,000.00	-----	-----
Increase of reserve munitions.....	-----	8,000,000.00	8,000,000.00	-----	-----
Grand total.....	152,003,322.30	220,477,611.24	68,474,288.94	-----	-----



**Table 6.—APPROPRIATIONS FOR CLERICAL AND CONTINGENT EXPENSES, NAVY DEPARTMENT.**

[Compiled by Bureau Supplies and Accounts, Navy Department, from Treasury Digests of Navy Department Appropriations.]

Date of legislative act.	Congress and session.	Fiscal year.	Legislative act.	Sundry and deficiency acts.	Total.
Mar. 3, 1883.	47th, 2d.	1884	\$282,016.00	\$2,000.00	\$284,016.00
July 7, 1884.	48th, 1st.	1885	307,396.00	2,546.20	309,942.20
Mar. 3, 1885.	48th, 2d.	1886	303,516.00	468.91	303,984.91
July 31, 1886.	49th, 1st.	1887	314,442.53	1,349.68	315,792.21
Mar. 3, 1887.	49th, 2d.	1888	314,896.00		314,896.00
July 11, 1888.	50th, 1st.	1889	335,157.62	1,741.88	336,899.50
Feb. 26, 1889.	50th, 2d.	1890	349,416.00	831.50	350,247.50
July 11, 1890.	51st, 1st.	1891	369,103.91	930.23	370,034.14
Mar. 3, 1891.	51st, 2d.	1892	390,120.00		390,120.00
July 16, 1892.	52d, 1st.	1893	394,270.00		394,270.00
Mar. 3, 1893.	52d, 2d.	1894	392,970.00		392,970.00
July 31, 1894.	53d, 2d.	1895	414,508.86		414,508.86
Mar. 2, 1895.	53d, 3d.	1896	419,790.00		419,790.00
May 28, 1896.	54th, 1st.	1897	417,540.00	450.00	417,990.00
Feb. 19, 1897.	54th, 2d.	1898	420,690.00	15,267.00	435,957.00
Mar. 15, 1898.	55th, 2d.	1899	430,390.00	11,453.25	441,843.25
Feb. 24, 1899.	55th, 3d.	1900	446,570.00		446,570.00
Apr. 17, 1900.	56th, 1st.	1901	501,908.00	1,800.00	503,708.00
Mar. 3, 1901.	56th, 2d.	1902	506,828.00		506,828.00
Apr. 28, 1902.	57th, 1st.	1903	518,689.70	22,097.90	540,787.60
Feb. 25, 1903.	57th, 2d.	1904	581,278.00	2,034.07	583,312.07
Mar. 18, 1904.	58th, 2d.	1905	711,190.00	3,477.79	714,677.79
Feb. 3, 1905.	58th, 3d.	1906	739,660.00	4,000.00	743,660.00
June 22, 1906.	59th, 1st.	1907	767,430.00	1,500.83	768,930.83
Feb. 26, 1907.	59th, 2d.	1908	786,770.00	1,650.00	788,420.00
May 22, 1908.	60th, 1st.	1909	803,070.00	3,546.95	806,616.95
Mar. 4, 1909.	60th, 2d.	1910	825,680.00	12.51	825,692.51
June 17, 1910.	61st, 2d.	1911	821,344.00	1.20	821,345.20
Mar. 4, 1911.	61st, 3d.	1912	836,740.00	9.75	836,749.75
Aug. 23, 1912.	62d, 2d.	1913	879,834.29		879,834.29
Mar. 4, 1913.	62d, 3d.	1914	875,365.00		875,365.00
July 16, 1914.	63d, 2d.	1915	862,715.01	21,250.00	883,965.01
Mar. 4, 1915.	63d, 3d.	1916	864,770.00		864,770.00
Total for 33 years.			18,186,060.92	98,420.65	18,284,490.57

**Table 7.—TOTAL UNITED STATES APPROPRIATIONS FOR FISCAL YEAR ENDING JUNE 30, 1916.**

[Sixty-third Congress, third session.]

Titles.	Amounts.	Total.
Agricultural appropriation act.	\$22,971,782.00	
Army appropriation act.	101,959,195.87	
Diplomatic and Consular appropriation act.	4,040,446.66	
District of Columbia appropriation act.	11,859,584.45	
Fortification appropriation act.	6,060,216.90	
Indian appropriation act.	9,325,455.00	
Legislative appropriation act.	36,904,799.75	
Military Academy appropriation act.	1,060,813.37	
Naval appropriation act.	140,661,854.88	
Pension appropriation act.	164,100,000.00	
Post Office appropriation act.	313,364,667.00	
River and harbor appropriation act.	30,000,000.00	
Sundry civil appropriation act.	126,922,750.79	
To supply deficiencies acts Jan. 25 and Mar. 4, 1915.	11,399,025.69	
For deficiencies in the Postal Service, payable from the postal revenues.	880,971.39	
Miscellaneous appropriation acts.		\$978,240,576.67
Total.		12,279,997.08
The permanent specific and indefinite appropriations for the fiscal year 1916 were estimated by the Secretary of the Treasury at.		2,402,923.34
Grand total.		992,923,497.09
		121,567,207.00
		1,114,490,704.09

NOTE.—The above table is from Treasury Department Digest of Appropriations, 1916, p. 514. The amount of the naval appropriation does not agree with the amount shown in Table 2 on account of the following items omitted from the Digest:

"Amount appropriated from the 'Navy pension fund, interest,' for the support of the naval home, Philadelphia, Pa., \$77,117.00; unexpended balance appropriation 'Committee to Investigate Cost of United States Armor Plant' reappropriated, \$4,581.57; 'Advisory Committee for Aeronautics,' amount for fiscal year 1916, \$5,000.00; reappropriation from unexpended balance 'naval hospital, Pensacola, Fla.,' to 'navy yard, Pensacola, Fla.,' \$15,000.00."

Table 8.—PRINCIPAL ITEMS OF EXPENDITURE (FROM PAYMASTER GENERAL'S ANNUAL REPORT FOR 1915).

Amount appropriated by Congress for the fiscal year 1915.....	\$145,616,241.96
Total expenditures during 1915.....	142,959,092.11
<hr/>	
Expenditures for maintaining ships in commission:	
Operation.....	46,890,893.90
Repairs to ships.....	4,931,279.89
Changes.....	3,071,837.55
Repairs to equipage.....	430,757.34
Total.....	55,324,768.68
<hr/>	
Expenditures for construction of vessels:	
Battleships.....	20,029,890.37
Gunboats and fuel ships.....	1,913,950.53
Destroyers.....	5,475,285.52
Submarines.....	3,636,416.46
Tenders and tugs.....	935,121.34
Total (at navy yards \$4,540,152.65; under contract \$27,450,511.57).....	31,990,664.22
<hr/>	
Expenditures for pay and allowances of officers and men:	
Navy.....	41,185,445.10
Marine Corps.....	3,920,563.99
Total.....	45,106,009.09
<hr/>	
Cost of subsisting the enlisted men of the Navy and Marine Corps afloat.....	5,897,181.54
Average cost of subsisting one man for one day.....	.36+
Cost of maintenance of navy yards.....	16,275,490.63
<hr/>	
Cost of all work done at industrial yards:	
Labor.....	17,843,767.56
Material.....	14,958,449.00
Indirect expense.....	4,277,083.91
Total.....	37,079,300.47
<hr/>	
Value of materials received into store (including ordnance material).....	112,118,294.44
Value of materials issued from store (including ordnance material)..<	105,482,564.30
<hr/>	
Property investment of Naval Establishment:	
Ships.....	459,686,551.32
Stations.....	206,635,104.59
Stores.....	192,070,228.67
Total.....	858,391,884.58
<hr/>	
Expenditures for Naval Militia.....	905,226.07
<hr/>	
Present value of clothing and small-stores fund:	
Stock.....	3,587,075.04
Money.....	1,517,347.50
Total.....	5,104,422.54
<hr/>	
Total expenditures for the Navy from 1794 to 1915, inclusive.....	3,214,339,051.10

Table 9.—VESSELS AUTHORIZED—1883-1915 (ALPHABETICAL).

Names.	Type.	Displacement (normal).	Speed on trial.	Mean draft.	Year and Congress authorized.
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft. in.</i>	
A-1 <sup>10</sup> (formerly Plunger) <sup>1</sup> .....	Submarine torpedo boat.....				1893 (52-2)
A-2 (formerly Adder) <sup>1</sup> .....	do.....				1900 (56-1)
A-3 (formerly Grampus) <sup>1</sup> .....	do.....				1900 (56-1)
A-4 (formerly Moccasin) <sup>1</sup> .....	do.....				1900 (56-1)
A-5 (formerly Pike) <sup>1</sup> .....	do.....				1900 (56-1)
A-6 (formerly Porpoise) <sup>1</sup> .....	do.....				1900 (56-1)
A-7 (formerly Shark) <sup>1</sup> .....	do.....				1900 (56-1)
Alabama.....	First-class battleship.....	11,552	17.01	23 6	1896 (54-1)
Allen.....	Destroyer.....	1,071	30	9 2 <sup>3</sup> / <sub>4</sub>	1914 (63-2)
Ammen <sup>2</sup> .....	Torpedo-boat destroyer.....	742	30.48	8 4	1909 (60-2)
Amphitrite.....	Monitor.....	3,990	10.5	14 6	1886 (49-1)
Annapolis.....	Gunboat.....	1,010	13.17	12 0	1895 (53-3)
Arizona.....	Battleship.....	31,400	21	28 10	1913 (63-1)
Arkansas <sup>3</sup> .....	First-class battleship.....	26,000	21.05	28 6	1909 (60-2)
Atlanta <sup>4</sup> .....	Protected cruiser.....	3,000	15.6	16 10	1883 (47-2)
Aylwin <sup>5</sup> .....	Destroyer.....	1,036	29.5	9 5	1911 (61-3)
B-1 (formerly Viper) <sup>1</sup> .....	Submarine torpedo boat.....				1904 (58-2)
B-2 (formerly Cuttlefish) <sup>1</sup> .....	do.....				1904 (58-2)
B-3 (formerly Tarantula) <sup>1</sup> .....	do.....				1904 (58-2)
Bagley.....	Torpedo boat.....	175	29.15	4 11	1898 (55-2)
Bailey.....	do.....	280	30.20	6 10	1897 (54-2)
Bainbridge.....	Torpedo-boat destroyer.....	420	28.45	6 6	1898 (55-2)
Balch <sup>3</sup> .....	do.....	1,036	29.62	9 5	1911 (61-3)
Baltimore.....	Protected cruiser.....	4,413	20.10	19 6	1886 (49-1)
Bancroft <sup>5</sup> .....	Gunboat.....	839	14.37	12 2	1888 (50-1)
Barney.....	Torpedo boat.....	175	29.04	4 11	1898 (55-2)
Barry.....	Torpedo-boat destroyer.....	420	28.13	6 6	1898 (55-2)
Beale.....	do.....	742	29.65	8 4	1910 (61-2)
Benham <sup>2</sup> .....	do.....	1,036	29.59	9 5	1911 (61-3)
Bennington <sup>6</sup> .....	Gunboat.....	1,710	17.5	14 0	1887 (49-2)
Biddle.....	Torpedo boat.....	175	28.57	4 11	1898 (55-2)
Birmingham.....	Scout cruiser.....	3,750	24.33	16 9	1904 (58-2)
Blakely.....	Torpedo boat.....	196	25.58	5 11	1898 (55-2)
Boston.....	Protected cruiser.....	3,000	15.60	16 10	1883 (47-2)
Brooklyn.....	Armored cruiser.....	9,215	21.91	24 0	1892 (52-1)
Burrows <sup>2</sup> .....	Destroyer.....	742	30.67	8 4	1908 (60-1)
Bushnell.....	Submarine tender.....	3,580	14	15 0	1912 (62-2)
C-1 (formerly Octopus) <sup>1</sup> .....	Submarine torpedo boat.....				1904 (58-2)
C-2 (formerly Stingray) <sup>1</sup> .....	do.....				1906 (59-1)
C-3 (formerly Tarpon) <sup>1</sup> .....	do.....				1907 (59-2)
C-4 (formerly Bonita) <sup>1</sup> .....	do.....				1906 (59-1)
C-5 (formerly Snapper) <sup>1</sup> .....	do.....				1907 (59-2)
Cassin <sup>2</sup> .....	Destroyer.....	1,020	30.14	9 3	1911 (61-3)
California <sup>8</sup> .....	Battleship.....	32,000	21	30 0	1914 (63-)
Castine.....	Gunboat.....	1,177	16.03	12 0	1889 (50-2)
Charleston (destroyed).....	Protected cruiser.....	3,370	18.2	18 7	1885 (48-2)
Charleston.....	do.....	9,700	22.04	22 6	1900 (56-1)
Chattanooga.....	do.....	3,200	16.65	15 9	1899 (55-3)
Chauncey.....	Destroyer.....	420	28.64	6 6	1898 (55-2)
Chester <sup>7</sup> .....	Scout cruiser.....	3,750	26.52	16 9	1904 (58-2)
Cheyenne (formerly Wyoming). Chicago.....	Monitor.....	3,225	11.8	12 6	1898 (55-2)
Cincinnati <sup>8</sup> .....	Protected cruiser.....	4,500	18	19 0	1883 (47-2)
Cleveland.....	do.....	3,183	19.91	18 0	1888 (50-1)
Colorado.....	do.....	3,200	16.45	15 9	1899 (55-3)
Columbia.....	Armored cruiser.....	13,680	22.24	24 1	1900 (56-1)
Concord.....	Protected cruiser.....	7,350	22.8	22 6	1890 (51-1)
Connecticut <sup>8</sup> .....	Gunboat.....	1,710	16.8	14 0	1887 (49-2)
Conyngnam.....	First-class battleship.....	16,000	18.78	24 6	1902 (57-1)
Craven <sup>11</sup> .....	Destroyer.....	1,090	29.5	9 4 <sup>1</sup> / <sub>2</sub>	1913 (63-1)
Cumberland.....	Torpedo boat.....	146	30	4 7	1896 (54-1)
Cummings <sup>8</sup> .....	Training ship.....	1,800		16 5	1903 (57-2)
Cushing (old) <sup>9</sup> .....	Destroyer.....	1,020	30.57	9 3	1911 (61-3)
Cushing.....	Torpedo boat.....	105	22.5	4 10	1886 (49-1)
Cuyama.....	Destroyer.....	1,050	29	9 6	1912 (62-2)
	Fuel ship.....	14,500	14	26 2	1915 (63-3)

<sup>1</sup> See history submarine-boat legislation.<sup>2</sup> Fitted with 3-screw turbines.<sup>3</sup> Fitted with twin-screw turbines.<sup>4</sup> Stricken from Navy Register Apr. 24, 1912.<sup>5</sup> Stricken from Navy Register June 30, 1906.<sup>6</sup> Stricken from Navy Register Sept. 10, 1910.<sup>7</sup> Fitted with 4-screw turbines.<sup>8</sup> Built in Government yards.<sup>9</sup> Stricken from Navy Register Apr. 6, 1912.<sup>10</sup> Stricken from Navy Register Mar. 3, 1913.<sup>11</sup> Stricken from Navy Register Nov. 15, 1913.



Table 9.—VESSELS AUTHORIZED—1883-1915 (ALPHABETICAL)—Continued.

Names.	Type.	Displacement (normal).	Speed on trial.	Mean draft.	Year and Congress authorized.
Cyclops.....	Collier.....	Tons. 19,360	Knots. 14.61	Ft. in. 27 8	1908 (60-1)
D-1 (formerly Narwhal) <sup>1</sup> ....	Submarine torpedo boat.....				1906 (59-1)
D-2 (formerly Grayling) <sup>1</sup> ....	do.....				1907 (59-2)
D-3 (formerly Salmon) <sup>1</sup> ....	do.....				1906 (59-1)
Dahlgren.....	Torpedo boat.....	146	30	4 7	1907 (59-2)
Dale.....	Torpedo-boat destroyer.....	420	28	6 6	1896 (54-1)
Davis.....	Destroyer.....	1,071	30	9 2½	1898 (55-2)
Decatur.....	Torpedo-boat destroyer.....	420	28.10	6 6	1914 (63-2)
Delaware.....	First-class battleship.....	20,000	21.56	26 11	1898 (52-2)
De Long.....	Torpedo boat.....	196	25.52	5 11	1906 (59-1)
Denver.....	Protected cruiser.....	3,200	16.75	15 9	1898 (55-2)
Des Moines.....	do.....	3,200	16.65	15 9	1899 (55-3)
Detroit <sup>2</sup> .....	Unprotected cruiser.....	2,072	18.71	14 6	1899 (55-3)
Dolphin.....	Dispatch boat.....	1,486	15.5	14 3	1883 (50-1)
Downes <sup>3</sup> .....	Destroyer.....	1,072	29	9 7	1883 (47-2)
Drayton <sup>4</sup> .....	do.....	742	30.83	8 4	1911 (61-3)
Dubque.....	Gunboat.....	1,085	12.9	12 3	1908 (60-1)
Duncan <sup>5</sup> .....	Destroyer.....	1,014	29.14	9 3	1902 (57-1)
Dupont.....	Torpedo boat.....	165	28.58	4 8	1911 (61-3)
E-1 (formerly Skipjack) <sup>1</sup> ....	Submarine torpedo boat.....				1895 (53-3)
E-2 (formerly Sturgeon) <sup>1</sup> ....	do.....				1908 (60-1)
Ericsson.....	Destroyer.....	1,090	29	9 9	1908 (60-1)
Ericsson (old) <sup>5</sup> .....	Torpedo boat.....	120	24	4 9	1912 (62-2)
F-1 (formerly Carp) <sup>1</sup> .....	Submarine torpedo boat.....				1890 (51-1)
F-2 (formerly Barracuda) <sup>1</sup> ....	do.....				1908 (60-1)
F-3 (formerly Pickerel) <sup>1</sup> ....	do.....				1908 (60-1)
F-4 (formerly Skate) <sup>1</sup> .....	do.....				1908 (60-1)
Fanning.....	Torpedo-boat destroyer.....	742	29.99	8 4	1910 (61-2)
Farragut.....	Torpedo boat.....	279	30.13	6 0	1896 (54-1)
Flusser <sup>4</sup> .....	Torpedo-boat destroyer.....	700	30.41	8 0	1907 (59-2)
Florida <sup>3 6</sup> .....	First-class battleship.....	21,825	20.75	28 6	1908 (60-1)
Foote.....	Torpedo boat.....	142	24.53	5 0	1894 (53-2)
Fox.....	do.....	154	23.13	5 10	1896 (54-1)
Fulton <sup>7</sup> .....	Submarine tender.....	1,408	12.25	13 0	1911 (61-3)
G-1 (formerly Seal) <sup>1</sup> .....	Submarine torpedo boat.....				1906 (59-1)
G-2 (formerly Tuna) <sup>1</sup> .....	do.....				1907 (59-2)
G-3 (formerly Turbot) <sup>1</sup> ....	do.....				1908 (60-1)
G-4 (formerly Thrasher) <sup>1</sup> ....	do.....				1910 (60-2)
Galveston.....	Protected cruiser.....	3,200	16.41	15 9	1908 (60-1)
Georgia.....	First-class battleship.....	14,948	19.26	23 9	1899 (55-3)
Goldsborough.....	Torpedo boat.....	255	27.4	6 10	1897 (52-2)
Gwin <sup>8</sup> .....	do.....	46	20.88	3 3	1896 (54-1)
H-1 (formerly Seawolf) <sup>1</sup> ....	Submarine torpedo boat.....				1910 (60-2)
H-2 (formerly Nautilus) <sup>1</sup> ....	do.....				1909 (60-2)
H-3 (formerly Garfish) <sup>1</sup> ....	do.....				1910 (60-2)
Hector.....	Collier.....	11,230	12.87	24 8	1908 (60-1)
Helena.....	Gunboat.....	1,392	15.5	9 0	1893 (52-2)
Henley.....	Torpedo-boat destroyer.....	742	30.32	8 4	1910 (61-2)
Holland <sup>1 9</sup> .....	Submarine torpedo boat.....				
Hopkins.....	Torpedo-boat destroyer.....	408	29.02	6 0	1898 (55-2)
Hull.....	do.....	408	28.04	6 0	1898 (55-2)
Idaho (old) <sup>10</sup> .....	First-class battleship.....	13,000	17.12	24 8	1903 (57-2)
Idaho.....	Battleship.....	32,000	21	30 0	1914 (63-)
Illinois.....	First-class battleship.....	11,552	17.45	23 6	1896 (54-1)
Indiana.....	do.....	10,288	15.55	24 0	1890 (51-1)
Intrepid <sup>6</sup> .....	Training ship.....	1,800		16 5	1903 (57-2)
Iowa.....	First-class battleship.....	11,346	17.09	24 0	1892 (52-1)
Iwana.....	Tug.....	192	11.58	8 0	1889 (50-2)
Jacob Jones.....	Destroyer.....	1,150	29.5	9 8½	1913 (63-1)
Jarvis.....	Torpedo-boat destroyer.....	742	30.01	8 4	1910 (61-2)
Jason.....	Fuel ship.....	19,132	14.32	27 8	1911 (61-3)
Jenkins.....	Destroyer.....	742	31.27	8 4	1910 (61-2)
Jouett.....	do.....	742	32.27	8 4	1910 (61-2)
Jupiter <sup>6</sup> .....	Fuel ship.....	19,360	14.99	27 8	1908 (60-1)
					1910 (61-2)

<sup>1</sup> See history submarine-boat legislation.<sup>2</sup> Stricken from the Navy Register July 12, 1910.<sup>3</sup> Fitted with twin screw turbines.<sup>4</sup> Fitted with 3 screw turbines.<sup>5</sup> Stricken from the Navy Register Apr. 6, 1912.<sup>6</sup> Built in Government yard.<sup>7</sup> Formerly the Niagara.<sup>8</sup> Stricken from the Navy Register Apr. 20, 1914.<sup>9</sup> Purchased under act Mar. 3, 1899, amending act June 10, 1896.<sup>10</sup> Stricken from the Navy Register July 30, 1914.

Table 9.—VESSELS AUTHORIZED—1883-1915 (ALPHABETICAL)—Continued.

Names.	Type.	Displacement (normal).	Speed on trial.	Mean draft.	Year and Congress authorized.
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft. in.</i>	
K-1 (formerly Haddock) <sup>1</sup> .....	Submarine torpedo boat.....				1910 (61-2)
K-2 (formerly Cachalot) <sup>1</sup> .....	do.....				1910 (61-2)
K-3 (formerly Orca).....	do.....				1910 (61-2)
K-4 (formerly Walrus).....	do.....				1910 (61-2)
K-5 (formerly No. 36).....	do.....				1911 (61-3)
K-6 (formerly No. 37).....	do.....				1911 (61-3)
K-7 (formerly No. 38).....	do.....				1911 (61-3)
K-8 (formerly No. 39).....	do.....				1911 (61-3)
Kanawha <sup>2</sup> .....	Fuel ship.....	14,500	14	26 2	1912 (62-2)
Kansas.....	First-class battleship.....	16,000	18.09	24 6	1903 (57-2)
Katahdin <sup>3</sup> .....	Ram.....	2,183	16.11	15 0	1889 (50-2)
Kearsarge.....	First-class battleship.....	11,520	16.82	23 6	1895 (53-3)
Kentucky.....	do.....	11,520	16.9	23 6	1895 (53-3)
L-1.....	Submarine.....				1912 (62-2)
L-2.....	do.....				1912 (62-2)
L-3.....	do.....				1912 (62-2)
L-4.....	do.....				1912 (62-2)
L-5.....	do.....				1912 (62-2)
L-6.....	do.....				1912 (62-2)
L-7.....	do.....				1912 (62-2)
L-8.....	do.....				1913 (63-1)
L-9.....	do.....				1913 (63-1)
L-10.....	do.....				1913 (63-1)
L-11.....	do.....				1913 (63-1)
Lamson <sup>4</sup> .....	Torpedo-boat destroyer.....	700	28.61	8 0	1906 (59-1)
Lawrence.....	do.....	400	28.41	6 2	1898 (55-2)
Louisiana.....	First-class battleship.....	16,000	18.82	24 6	1902 (57-1)
M-1.....	Submarine.....				1912 (62-2)
Macdonough.....	Torpedo-boat destroyer.....	400	28.03	6 2	1898 (55-2)
Machias.....	Gunboat.....	1,177	15.46	12 0	1889 (50-2)
McCall <sup>4</sup> .....	Torpedo-boat destroyer.....	742	30.66	8 4	1908 (60-1)
McDougal.....	do.....	1,020	30.70	9 3	1912 (62-2)
McKee <sup>5</sup> .....	Torpedo boat.....	65	19.82	4 3	1896 (54-1)
Mackenzie.....	do.....	65	20.11	4 3	1896 (54-1)
Maine.....	First-class battleship.....	12,500	18	23 10	1898 (55-2)
Maine (destroyed) <sup>2</sup> .....	Second-class battleship.....	6,682	17.45	21 6	1886 (49-1)
Marblehead.....	Unprotected cruiser.....	2,072	18.44	14 6	1888 (50-1)
Marietta.....	Gunboat.....	990	13.02	12 0	1895 (53-3)
Mars.....	Collier.....	11,230	12.65	24 8	1908 (60-1)
Maryland.....	Armored cruiser.....	13,680	22.41	24 1	1900 (56-1)
Massachusetts.....	First-class battleship.....	10,288	16.21	24 0	1890 (51-1)
Maumee <sup>2</sup> .....	Fuel ship.....	14,500	14	26 2	1912 (62-2)
Mayrant <sup>6</sup> .....	Torpedo-boat destroyer.....	742	30.22	8 4	1908 (60-1)
Melville.....	Destroyer tender.....	7,150	15	20 0	1912 (62-2)
Miantonomah.....	Monitor.....	3,990	10.5	14 6	1887 (49-2)
Michigan.....	First-class battleship.....	16,000	18.79	24 6	1905 (58-3)
Milwaukee.....	Protected cruiser.....	9,700	22.22	22 6	1900 (56-1)
Minneapolis.....	do.....	7,350	23.07	22 6	1891 (51-2)
Minnesota.....	First-class battleship.....	16,000	18.85	24 6	1903 (57-2)
Mississippi (old) <sup>7</sup> .....	do.....	13,000	17.11	24 8	1903 (57-2)
Mississippi.....	Battleship.....	32,000	21	30 0	1914 (63-)
Missouri.....	do.....	12,500	18.15	23 11	1898 (55-2)
Monadnock.....	Monitor.....	3,990	11.63	14 6	1886 (49-1)
Monaghan <sup>4</sup> .....	Torpedo-boat destroyer.....	742	30.45	8 4	1909 (60-2)
Monocacy <sup>2</sup> .....	River gunboat.....	190	13.25	2 5	1911 (61-3)
Montana.....	Armored cruiser.....	14,500	22.26	25 0	1904 (58-2)
Monterey.....	Monitor.....	4,084	13.6	14 10	1887 (49-2)
Montgomery.....	Unprotected cruiser.....	2,072	19.06	14 6	1888 (50-1)
Morris.....	Torpedo boat.....	105	24	4 1	1896 (54-1)
N-1.....	Submarine.....				1914 (63-2)
N-2.....	do.....				1914 (63-2)
N-3.....	do.....				1914 (63-2)
N-4.....	do.....				1914 (63-2)
N-5.....	do.....				1914 (63-2)
N-6.....	do.....				1914 (63-2)
N-7.....	do.....				1914 (63-2)
Narkeeta.....	Tug.....	192	11.5	8 0	1889 (50-2)
Nashville.....	Gunboat.....	1,371	16.3	11 0	1893 (52-2)
Nebraska.....	First-class battleship.....	14,948	19.06	23 9	1899 (55-3)
Neptune.....	Fuel ship.....	19,375	12.93	27 7	1909 (60-2)
Nereus.....	do.....	19,000	14.58	27 8	1910 (61-2)
Nevada.....	First-class battleship.....	27,500	20.5	28 6	1911 (61-3)
Newark <sup>8</sup> .....	Protected cruiser.....	4,083	19	18 9	1885 (48-2)

<sup>1</sup> See history submarine-boat legislation.<sup>2</sup> Built in Government yard.<sup>3</sup> Stricken from the Navy Register July 9, 1909.<sup>4</sup> Fitted with 3 screw turbines.<sup>5</sup> Stricken from the Navy Register Apr. 6, 1912.<sup>6</sup> Fitted with twin screw turbines.<sup>7</sup> Stricken from the Navy Register July 21, 1914.<sup>8</sup> Stricken from the Navy Register June 26, 1913.<sup>9</sup> Stricken from the Navy Register Mar. 3, 1909.

Table 9.—VESSELS AUTHORIZED—1883-1915 (ALPHABETICAL)—Continued.

Names.	Type.	Displace- ment (normal).	Speed on trial.	Mean draft.	Year and Congress authorized.
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft. in.</i>	
New Hampshire.....	First-class battleship.....	16,000	18.16	24 6	1904 (58-2)
New Jersey.....	do.....	14,948	19.18	23 9	1900 (56-1)
Newport.....	Gunboat.....	1,010	12.29	12 0	1895 (53-3)
New York <sup>1</sup> .....	First-class battleship.....	27,000	21	28 6	1910 (61-2)
Nicholson (old) <sup>2</sup> .....	Torpedo boat.....	218	25.74	6 5	1898 (55-2)
Nicholson.....	Destroyer.....	1,050	29	9 6	1912 (62-2)
North Carolina.....	Armored cruiser.....	14,500	22.48	25 0	1904 (58-2)
North Dakota <sup>3</sup> .....	First-class battleship.....	20,000	21.01	26 11	1907 (59-2)
O'Brien.....	Destroyer.....	1,050	29	9 6	1912 (62-2)
O'Brien (old) <sup>2</sup> .....	Torpedo boat.....	220	25	6 6	1898 (55-2)
Ohio.....	First-class battleship.....	12,500	17.82	23 7	1898 (55-2)
Oklahoma.....	do.....	27,500	20.5	28 6	1911 (61-3)
Olympia.....	Protected cruiser.....	5,865	21.69	21 6	1888 (50-1)
Ontario.....	Tug.....	1,120	13.23	12 6	1911 (61-3)
Oregon.....	First-class battleship.....	10,288	16.79	24 0	1890 (50-1)
Orion.....	Fuel ship.....	19,132	14.47	27 8	1911 (61-3)
Ozark (formerly Arkansas).....	Monitor.....	3,225	12.03	12 6	1898 (55-2)
Paducah.....	Gunboat.....	1,085	12.85	12 3	1902 (57-1)
Palos <sup>1</sup> .....	River gunboat.....	190	13.25	2 5	1898 (55-2)
Parker <sup>4</sup> .....	Destroyer.....	1,036	29.55	9 5	1911 (61-3)
Patapsco <sup>1</sup> .....	Tug.....	755	13	12 3	1904 (58-2)
Patterson <sup>4</sup> .....	Torpedo-boat destroyer.....	742	29.69	8 4	1909 (60-2)
Patuxent <sup>1</sup> .....	Tug.....	755	13	12 3	1904 (58-2)
Paulding <sup>4</sup> .....	Torpedo-boat destroyer.....	742	32.80	8 4	1908 (60-1)
Paul Jones.....	do.....	420	28.91	6 6	1898 (55-2)
Pawtucket <sup>1</sup> .....	Tug.....	225	12.2	8 9	1897 (54-1)
Penacook <sup>1</sup> .....	do.....	230	12	9 0	1897 (54-1)
Pennsylvania.....	Battleship, first line.....	31,400	21	28 10	1912 (62-2)
Pentucket <sup>1</sup> .....	Tug.....	230	12	9 0	1902 (57-1)
Perkins <sup>3</sup> .....	Torpedo-boat destroyer.....	742	29.76	8 4	1908 (60-1)
Perry.....	do.....	420	28.32	6 6	1898 (55-2)
Petrel.....	Gunboat.....	890	11.40	11 6	1885 (48-2)
Philadelphia.....	Protected cruiser.....	4,410	19.68	19 6	1887 (49-2)
Pittsburgh <sup>5</sup> .....	Armored cruiser.....	13,680	22.44	24 1	1899 (55-3)
Porter (old) <sup>6</sup> .....	Torpedo boat.....	165	28.63	4 8	1895 (53-3)
Porter.....	Destroyer.....	1,090	29.5	9 4½	1913 (63-1)
Preble.....	Torpedo-boat destroyer.....	420	28.03	6 6	1898 (55-2)
Preston <sup>4</sup> .....	do.....	700	29.18	8 0	1906 (59-1)
Princeton.....	Gunboat.....	1,010	10.64	12 0	1895 (53-3)
Prometheus <sup>1</sup> .....	Collier.....	12,585	16	26 0	1904 (58-2)
Proteus.....	do.....	19,000	14.67	27 8	1910 (61-2)
Puritan <sup>1</sup> .....	Monitor.....	6,060	12.4	18 0	1886 (49-1)
Raleigh <sup>1</sup> .....	Protected cruiser.....	3,183	21.12	18 0	1888 (50-1)
Reid <sup>4</sup> .....	Torpedo-boat destroyer.....	700	31.82	8 0	1907 (59-2)
Rhode Island.....	First-class battleship.....	14,948	19.01	23 9	1900 (56-1)
Rodgers.....	Torpedo boat.....	142	24.49	5 0	1894 (53-2)
Roe <sup>4</sup> .....	Torpedo-boat destroyer.....	742	29.6	8 4	1908 (60-1)
Rowan.....	Destroyer.....	1,126	29.5	9 7	1914 (63-2)
Schley.....	Submarine.....				1914 (63-2)
St. Louis.....	Protected cruiser.....	9,700	22.13	22 6	1900 (56-1)
Sacramento.....	Gunboat.....	1,425	12.78	11 6	1911 (61-3)
Salem <sup>3</sup> .....	Scout cruiser.....	3,750	25.95	16 9	1904 (58-2)
Samoset <sup>1</sup> .....	Tug.....	225	12	8 9	1895 (53-1)
Samson.....	Destroyer.....	1,126	29.5	9 7	1914 (63-2)
Shaw.....	do.....	1,110	29.5	9 6	1914 (63-2)
San Diego <sup>8</sup> .....	Armored cruiser.....	13,680	22.2	24 1	1899 (55-3)
San Francisco.....	Protected cruiser.....	4,083	19.52	18 9	1887 (49-2)
San Marcos (formerly Texas) <sup>9</sup> .....	Second-class battleship.....	6,315	17.8	22 6	1886 (49-1)
Saratoga (formerly New York).....	Armored cruiser.....	8,150	21	23 3	1888 (50-1)
Severn (formerly Chesapeake).....	Training ship.....	1,175		16 6	1897 (54-2)
Shubrick.....	Torpedo boat.....	200	26.07	5 2	1898 (55-2)
Smith <sup>4</sup> .....	Torpedo-boat destroyer.....	700	28.35	8 0	1906 (59-1)
Sonoma.....	Tug.....	1,120	13.08	12 6	1911 (61-3)
Sotoyoma <sup>1</sup> .....	do.....	230	11.1	9 0	1902 (57-1)
South Carolina.....	First-class battleship.....	16,000	18.86	24 1	1905 (58-3)
South Dakota.....	Armored cruiser.....	13,680	22.24	24 6	1900 (56-1)
Sterett <sup>3</sup> .....	Torpedo-boat destroyer.....	742	30.37	8 4	1908 (60-1)
Stewart.....	do.....	420	29.69	6 6	1898 (55-2)
Stockton <sup>10</sup> .....	Torpedo boat.....	200	25.79	5 2	1898 (55-2)
Stringham <sup>11</sup> .....	do.....	340	25.33	6 6	1897 (54-2)
Supply ship No. 1 <sup>1</sup> .....	Supply ship.....	8,500	14	20 8	1913 (63-1)
Tacoma.....	Protected cruiser.....	3,200	16.58	15 9	1899 (55-3)

<sup>1</sup> Built in Government yard.<sup>2</sup> Stricken from the Navy Register Mar. 3, 1909.<sup>3</sup> Fitted with twin-screw turbines.<sup>4</sup> Fitted with 3-screw turbines.<sup>5</sup> Formerly the Pennsylvania.<sup>6</sup> Stricken from the Navy Register Nov. 7, 1912.<sup>7</sup> Stricken from the Navy Register Feb. 27, 1913.<sup>8</sup> Formerly the California.<sup>9</sup> Stricken from the Navy Register Oct. 11, 1911.<sup>10</sup> Stricken from the Navy Register Nov. 15, 1913.<sup>11</sup> Stricken from the Navy Register Nov. 26, 1913.



Table 9.—VESSELS AUTHORIZED—1883-1915 (ALPHABETICAL)—Continued.

Names.	Type.	Displacement (normal).	Speed on trial.	Mean draft.	Year and Congress authorized.
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft. in.</i>	
Talbot <sup>1</sup> .....	Torpedo boat.....	46	21.15	3	1896 (54-1)
Tallahassee (formerly Florida).....	Monitor.....	3,225	12.4	12	1898 (55-2)
Tennessee.....	Armored cruiser.....	14,500	22.16	25	1902 (57-1)
Terror.....	Monitor.....	3,990	10.5	14	1886 (49-1)
Terry <sup>2</sup> .....	Torpedo-boat destroyer.....	742	30.24	8	1908 (60-1)
Texas.....	First-class battleship.....	27,000	21.05	28	1910 (61-2)
Thornton.....	Torpedo-boat destroyer.....	200	24.88	5	1898 (55-2)
Tingey.....	do.....	165	24.94	4	1898 (55-2)
Tonopah (formerly Nevada).....	Monitor.....	3,225	13.04	12	1898 (55-2)
Transport No. 1 <sup>3</sup> .....	Transport.....	10,000	14	19	1913 (63-1)
Trippe <sup>2</sup> .....	Torpedo-boat destroyer.....	742	30.89	8	1909 (60-2)
Triton.....	Tug.....	212	13	9	1889 (50-2)
Truxtun.....	Torpedo-boat destroyer.....	433	29.58	6	1898 (55-2)
Tucker.....	Destroyer.....	1,090	29.5	9	1913 (63-1)
Unadilla.....	Tug.....	355	12	9	1894 (53-2)
Utah <sup>4</sup> .....	First-class battleship.....	21,825	21.04	28	1908 (60-1)
Vermont.....	do.....	16,000	18.33	24	1903 (57-2)
Vestal.....	Collier.....	12,585	16	26	1904 (58-2)
Vesuvius.....	Dynamite-gun cruiser.....	930	21.65	10	1886 (49-1)
Vicksburg.....	Gunboat.....	1,013	12.71	12	1895 (53-3)
Virginia.....	First-class battleship.....	14,948	19.01	23	1899 (55-3)
Vulcan.....	Collier.....	11,230	12.82	24	1908 (60-1)
Wadsworth.....	Destroyer.....	1,000	30	9	1913 (63-1)
Wahneta.....	Tug.....	192	11.58	8	1889 (50-2)
Wainwright.....	Destroyer.....	1,150	29.5	9	1913 (63-1)
Walke <sup>3</sup> .....	Torpedo-boat destroyer.....	742	29.78	8	1909 (60-2)
Warrington <sup>4</sup> .....	do.....	742	30.12	8	1908 (60-1)
Washington.....	Armored cruiser.....	14,500	22.27	25	1902 (57-1)
West Virginia.....	do.....	13,680	22.15	24	1899 (55-3)
Wheeling.....	Gunboat.....	990	12.85	12	1895 (53-3)
Whipple.....	Torpedo-boat destroyer.....	433	28.24	6	1898 (55-2)
Wilkes.....	Destroyer.....	1,110	29.5	9	1914 (62-2)
Wilmington.....	Gunboat.....	1,392	15.08	9	1893 (52-3)
Winslow.....	Destroyer.....	1,050	29	9	1912 (62-2)
Winslow (old) <sup>5</sup> .....	Torpedo boat.....	142	24.82	5	1894 (53-2)
Wisconsin.....	First-class battleship.....	11,552	17.17	23	1896 (54-1)
Worden.....	Torpedo-boat destroyer.....	433	29.86	6	1898 (55-2)
Wyoming <sup>4</sup> .....	First-class battleship.....	26,000	21.22	28	1909 (60-2)
Yorktown.....	Gunboat.....	1,710	16.14	14	1885 (48-2)
Battleship No. 43.....	Battleship, first line.....	32,000	20.50	30	1915 (63-3)
Battleship No. 44.....	do.....	32,000	20½	30	1915 (63-3)
Destroyer 69.....	.....	1,125	30	8	1915 (63-3)
Destroyer 70.....	.....	1,125	30	8	1915 (63-3)
Destroyer 71.....	.....	1,125	30	8	1915 (63-3)
Destroyer 72.....	.....	1,125	30	8	1915 (63-3)
Destroyer 73.....	.....	1,125	30	8	1915 (63-3)
Destroyer 74.....	.....	1,125	30	8	1915 (63-3)
Submarine 60.....	.....	.....	.....	.....	1915 (63-3)
Submarine 61.....	.....	.....	.....	.....	1915 (63-3)
Submarine 62.....	.....	.....	.....	.....	1915 (63-3)
Submarine 63.....	.....	.....	.....	.....	1915 (63-3)
Submarine 64.....	.....	.....	.....	.....	1915 (63-3)
Submarine 65.....	.....	.....	.....	.....	1915 (63-3)
Submarine 66.....	.....	.....	.....	.....	1915 (63-3)
Submarine 67.....	.....	.....	.....	.....	1915 (63-3)
Submarine 68.....	.....	.....	.....	.....	1915 (63-3)
Submarine 69.....	.....	.....	.....	.....	1915 (63-3)
Submarine 70.....	.....	.....	.....	.....	1915 (63-3)
Submarine 71.....	.....	.....	.....	.....	1915 (63-3)
Submarine 72.....	.....	.....	.....	.....	1915 (63-3)
Submarine 73.....	.....	.....	.....	.....	1915 (63-3)
Submarine 74.....	.....	.....	.....	.....	1915 (63-3)
Submarine 75.....	.....	.....	.....	.....	1915 (63-3)
Submarine 76.....	.....	.....	.....	.....	1915 (63-3)
Submarine 77.....	.....	.....	.....	.....	1915 (63-3)
Total of displacement given.....		1,538,633			

<sup>1</sup> Stricken from the Navy Register May 1, 1912.<sup>2</sup> Fitted with 3-screw turbines.<sup>3</sup> Built in Government yards.<sup>4</sup> Fitted with twin-screw turbines.<sup>5</sup> Stricken from the Navy Register Nov. 7, 1912.

Table 10.—VESSELS AUTHORIZED, 1883-1915 (BY YEARS AND SESSIONS).

1883 (47th, 2d).

Names.	Type.	Displacement.	Speed.	Mean draft.
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft. in.</i>
Atlanta.....	Protected cruiser.....	3,000	15.60	16 10
Boston.....	do.....	3,000	15.60	17 0
Chicago.....	do.....	4,500	18	19 0
Dolphin.....	Dispatch boat.....	1,486	15.50	14 3
Total of tonnage given.	.....	11,986	.....	.....

1885 (48th, 2d).

Charleston (destroyed).	Protected cruiser.....	3,370	18.2	18 7
Newark.....	do.....	4,083	19	18 9
Petrel.....	Gunboat.....	890	11.4	11 6
Yorktown.....	do.....	1,710	16.14	14 0
Total of tonnage given.	.....	10,053	.....	.....

1886 (49th, 1st).

Amphitrite.....	Monitor.....	3,990	10.5	14 6
Baltimore.....	Protected cruiser.....	4,413	20.1	19 6
Cushing (old).....	Torpedo boat.....	105	22.5	4 10
Maine (destroyed) <sup>1</sup> .....	Second-class battleship.....	6,682	17.45	21 6
Monadnock.....	Monitor.....	3,990	11.63	14 6
Puritan.....	do.....	6,060	12.4	18 0
Terror.....	do.....	3,990	10.5	14 8
San Marcos (formerly Texas). <sup>1</sup>	Second-class battleship.....	6,315	17.8	22 6
Vesuvius.....	Dynamite-gun cruiser.....	930	21.65	10 7
Total of tonnage given.	.....	36,475	.....	.....

1887 (49th, 2d).

Bennington.....	Gunboat.....	1,710	17.5	14 0
Concord.....	do.....	1,710	16.8	14 0
Miantonomah.....	Monitor.....	3,990	10.5	14 6
Monterey.....	do.....	4,084	13.6	14 10
Philadelphia.....	Protected cruiser.....	4,410	19.68	19 6
San Francisco.....	do.....	4,083	19.52	18 9
Total of tonnage given.	.....	19,987	.....	.....

1888 (50th, 1st).

Bancroft.....	Gunboat.....	839	14.37	12 2
Cincinnati <sup>1</sup> .....	Protected cruiser.....	3,183	19	18 0
Detroit.....	Unprotected cruiser.....	2,072	18.71	14 6
Marblehead.....	do.....	2,072	18.44	14 6
Montgomery.....	do.....	2,072	19.06	14 6
Olympia.....	Protected cruiser.....	5,865	21.69	21 6
Raleigh <sup>1</sup> .....	do.....	3,183	21.12	18 0
Saratoga (formerly New York).	Armored cruiser.....	8,150	21	23 3
Total of tonnage given.	.....	27,436	.....	.....

<sup>1</sup> Built in Government yard.

Table 10.—VESSELS AUTHORIZED, 1883-1915 (BY YEARS AND SESSIONS)—Continued.

1889 (50th, 2d).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft.</i>	<i>in.</i>
Castine.....	Gunboat.....	1,177	16.03	12	0
Iwana.....	Tug.....	192	11.58	8	0
Katahdin.....	Ram.....	2,183	16.11	15	0
Machias.....	Gunboat.....	1,177	15.46	12	0
Narkeeta.....	Tug.....	192	11.50	8	0
Triton.....	.....do.....	212	13	9	0
Wahneta.....	.....do.....	192	11.58	8	0
Total of tonnage given.		5,325			

1890 (51st, 1st).

Columbia.....	Protected cruiser.....	7,350	22.8	22	6
Ericsson (old).....	Torpedo boat.....	120	24	4	9
Indiana.....	First-class battleship.....	10,288	15.55	24	0
Massachusetts.....	.....do.....	10,288	16.21	24	0
Oregon.....	.....do.....	10,288	16.79	24	0
Total of tonnage given.		38,334			

1891 (51st, 2d).

Minneapolis.....	Protected cruiser.....	7,350	23.07	22	6
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1892 (52d, 1st).

Brooklyn.....	Armored cruiser.....	9,215	21.91	24	0
Iowa.....	First-class battleship.....	11,346	17.09	24	0
Total of tonnage given.		20,561			

1893 (52d, 2d).

A-1 (formerly Plunger) <sup>1</sup>	Submarine torpedo boat.....				
Helena.....	Gunboat.....	1,392	15.50	9	0
Nashville.....	.....do.....	1,371	16.30	11	0
Wilmington.....	.....do.....	1,392	15.08	9	0
Total of tonnage given.		4,155			

1894 (53d, 2d).

Foote.....	Torpedo boat.....	142	24.53	5	0
Rodgers.....	.....do.....	142	24.49	5	0
Unadilla.....	Tug.....	355	12	9	11
Winslow (old).....	Torpedo boat.....	142	24.82	5	9
Total of tonnage given.		781			

<sup>1</sup> See history submarine-boat legislation, following this table.



Table 10.—VESSELS AUTHORIZED, 1883-1915 (BY YEARS AND SESSIONS)—Continued.

1895 (53d, 3d).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		Tons.	Knots.	Ft.	in.
Annapolis.....	Gunboat.....	1,010	13.17	12	0
Dupont.....	Torpedo boat.....	165	28.58	4	8
Kearsarge.....	First-class battleship.....	11,520	16.82	23	6
Kentucky.....	do.....	11,520	16.90	23	6
Marietta.....	Gunboat.....	990	13.02	12	0
Newport.....	do.....	1,010	12.29	12	0
Porter (old).....	Torpedo boat.....	165	28.63	4	8
Princeton.....	Gunboat.....	1,010	10.64	12	0
Rowan.....	Torpedo boat.....	210	27.07	5	11
Samoset.....	Tug.....	225	12	8	9
Vicksburg.....	Gunboat.....	1,010	12.71	12	0
Wheeling.....	do.....	990	12.88	12	0
Total of tonnage given.....	.....	29,825	.....	.....	.....

1896 (54th, 1st).

Alabama.....	First-class battleship.....	11,552	17.01	23	6
Craven.....	Torpedo boat.....	146	30	4	7
Dahlgren.....	do.....	146	30	4	7
Davis.....	do.....	154	23.41	5	10
Farragut.....	do.....	279	30.13	6	0
Fox.....	do.....	154	23.13	5	10
Gwin.....	do.....	46	20.88	3	3
Illinois.....	First-class battleship.....	11,552	17.45	23	6
McKee.....	Torpedo boat.....	65	19.82	4	3
Mackenzie.....	do.....	65	20.11	4	3
Morris.....	do.....	105	24	4	1
Pawtucket.....	Tug.....	225	12.2	8	9
Penacock.....	do.....	230	12	9	0
Talbot.....	Torpedo boat.....	46	21.15	3	3
Wisconsin.....	First-class battleship.....	11,552	17.17	23	6
Total of tonnage given.....	.....	36,317	.....	.....	.....

1897 (54th, 2d).

Bailey.....	Torpedo boat.....	280	30.20	6	10
Goldsborough.....	do.....	255	27.4	6	10
Severn (formerly Chesapeake).....	Training ship.....	1,175	.....	16	6
Stringham.....	Torpedo boat.....	340	25.33	6	6
Total of tonnage given.....	.....	2,050	.....	.....	.....

1898 (55th, 2d).

Bagley.....	Torpedo boat.....	175	29.15	4	11
Bainbridge.....	Torpedo-boat destroyer.....	420	28.45	6	6
Barney.....	Torpedo boat.....	175	29.04	4	11
Barry.....	Torpedo-boat destroyer.....	420	28.13	6	6
Biddle.....	Torpedo boat.....	175	28.57	4	11
Blakely.....	do.....	196	25.58	5	11
Chauncey.....	Torpedo-boat destroyer.....	420	28.64	6	6
Cheyenne (formerly Wyoming).....	Monitor.....	3,225	11.80	12	6
Dale.....	Torpedo-boat destroyer.....	420	28	6	6
Decatur.....	do.....	420	28.10	6	6
De Long.....	Torpedo boat.....	196	25.52	5	11
Hopkins.....	Torpedo-boat destroyer.....	408	29.02	6	0
Hull.....	do.....	408	28.04	6	0
Lawrence.....	do.....	400	28.41	6	2
Macdonough.....	do.....	400	28.03	6	2
Maine.....	First-class battleship.....	12,500	18	23	10
Missouri.....	do.....	12,500	18.15	23	11
Nicholson (old).....	Torpedo boat.....	218	25.74	6	5

Table 10.—VESSELS AUTHORIZED, 1883-1915 (BY YEARS AND SESSIONS)—Continued.

1898 (55th, 2d)—Continued.

Names.	Type.	Displacement.	Speed.	Mean draft.	
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft.</i>	<i>in.</i>
O'Brien (old).....	Torpedo boat.....	220	25	6	6
Ohio.....	First-class battleship.....	12,500	17.82	23	7
Ozark (formerly Arkansas) <sup>1</sup> .....	Monitor.....	3,225	12.3	12	6
Palos <sup>2</sup> .....	Gunboat.....	190	13.25	2	5
Paul Jones.....	Torpedo-boat destroyer.....	420	28.91	6	6
Perry.....	do.....	420	28.32	6	6
Preble.....	do.....	420	28.03	6	6
Shubrick.....	Torpedo boat.....	200	26.07	5	2
Stewart.....	Torpedo-boat destroyer.....	420	29.69	6	6
Stockton.....	Torpedo boat.....	200	25.79	5	2
Tallahassee (formerly Florida).....	Monitor.....	3,225	12.4	12	6
Thornton.....	Torpedo boat.....	200	24.88	5	2
Tingey.....	do.....	165	24.94	4	8
Tonopah (formerly Nevada).....	Monitor.....	3,225	13.4	12	6
Truxtun.....	Torpedo-boat destroyer.....	433	29.58	6	0
Whipple.....	do.....	433	28.24	6	0
Wilkes.....	Torpedo boat.....	165	25.99	4	8
Worden.....	Torpedo-boat destroyer.....	433	29.86	6	0
Total of tonnage given.....		59,570			

1899 (55th, 3d).

San Diego <sup>3</sup> .....	Armored cruiser.....	13,680	22.2	24	1
Chattanooga.....	Protected cruiser.....	3,200	16.65	15	9
Cleveland.....	do.....	3,200	16.45	15	9
Denver.....	do.....	3,200	16.75	15	9
Des Moines.....	do.....	3,200	16.65	15	9
Galveston.....	do.....	3,200	16.41	15	9
Georgia.....	First-class battleship.....	14,948	19.26	23	9
Nebraska.....	do.....	14,948	19.06	23	9
Pittsburgh <sup>2</sup> .....	Armored cruiser.....	13,680	22.44	24	1
Tacoma.....	Protected cruiser.....	3,200	16.58	15	9
Virginia.....	First-class battleship.....	14,948	19.01	23	9
West Virginia.....	Armored cruiser.....	13,680	22.15	24	1
Total of tonnage given.....		105,084			

1900 (56th, 1st).

Charleston.....	Protected cruiser.....	<i>Tons.</i> 9,700	<i>Knots.</i> 22.04	<i>Ft.</i> 22	<i>in.</i> 6
Colorado.....	Armored cruiser.....	13,680	22.24	24	1
Maryland.....	do.....	13,680	22.41	24	1
Milwaukee.....	Protected cruiser.....	9,700	22.22	22	6
New Jersey.....	First-class battleship.....	14,948	19.18	23	9
Rhode Island.....	do.....	14,948	19.01	23	9
St. Louis.....	Protected cruiser.....	9,700	22.13	22	6
South Dakota.....	Armored cruiser.....	13,680	22.24	24	1
A-2 (formerly Adder) <sup>4</sup> .....	Submarine torpedo boat.....				
A-3 (formerly Grampus) <sup>4</sup> .....	do.....				
A-4 (formerly Moccasin) <sup>4</sup> .....	do.....				
A-5 (formerly Pike) <sup>1</sup> .....	do.....				
A-6 (formerly Porpoise) <sup>4</sup> .....	do.....				
A-7 (formerly Shark) <sup>4</sup> .....	do.....				
Holland <sup>4</sup> .....	do.....				
Total of tonnage given.....		100,036			

<sup>1</sup> Construction not begun until 1912.<sup>2</sup> Formerly the Pennsylvania.<sup>3</sup> Formerly the California.<sup>4</sup> Built in Government yard.

Table 10.—VESSELS AUTHORIZED, 1883-1915 (BY YEARS AND SESSIONS)—Continued.

1902 (57th, 1st).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft.</i>	<i>in.</i>
Connecticut <sup>1</sup> .....	First-class battleship.....	16,000	18.78	24	6
Dubuque.....	Gunboat.....	1,085	12.90	12	3
Louisiana.....	First-class battleship.....	16,000	18.82	24	6
Paducah.....	Gunboat.....	1,085	12.85	12	3
Pentucket.....	Tug.....	230	12	9	0
Sotoyoma.....	.....do.....	230	11.10	9	0
Tennessee.....	Armored cruiser.....	14,500	22.16	25	0
Washington.....	.....do.....	14,500	22.27	25	0
Total of tonnage given.....	.....	63,630	.....	.....	.....

1903 (57th, 2d).

Cumberland <sup>1</sup> .....	Training ship.....	1,800	.....	16	5
Idaho.....	First-class battleship.....	13,000	17.12	24	8
Intrepid.....	Training ship.....	1,800	.....	13	5
Kansas.....	First-class battleship.....	16,000	18.09	24	6
Minnesota.....	.....do.....	16,000	18.85	24	6
Mississippi.....	.....do.....	13,000	17.11	24	8
Vermont.....	.....do.....	16,000	18.33	24	6
Total of tonnage given.....	.....	77,600	.....	.....	.....

1904 (58th, 2d).

Birmingham.....	Scout cruiser.....	3,750	24.33	16	9
Chester.....	.....do.....	3,750	26.52	16	9
Montana.....	Armored cruiser.....	14,500	22.26	25	0
New Hampshire.....	First-class battleship.....	16,000	18.16	24	6
North Carolina.....	Armored cruiser.....	14,500	22.48	25	0
Patapsco.....	Tug.....	755	13	12	3
Patuxent.....	.....do.....	755	13	12	3
Prometheus.....	Collier.....	12,585	16	26	0
Salem.....	Scout cruiser.....	3,750	25.95	16	9
Vestal.....	Collier.....	12,585	16	26	0
B-1 (formerly Viper) <sup>2</sup> .....	Submarine torpedo boat.....	.....	.....	.....	.....
B-2 (formerly Cuttlefish). <sup>2</sup> .....	.....do.....	.....	.....	.....	.....
B-3 (formerly Tarentula). <sup>2</sup> .....	.....do.....	.....	.....	.....	.....
C-1 (formerly Octopus) <sup>2</sup> .....	.....do.....	.....	.....	.....	.....
Total of tonnage given.....	.....	82,930	.....	.....	.....

1905 (58th, 3d).

Michigan.....	First-class battleship.....	16,000	18.79	24	0
South Carolina.....	.....do.....	16,000	18.86	24	6
Total of tonnage given.....	.....	32,000	.....	.....	.....

<sup>1</sup> Built in Government yard.<sup>2</sup> See history submarine-boat legislation following this table.



Table 10.—VESSELS AUTHORIZED, 1883-1915 (BY YEARS AND SESSIONS)—Continued.

1906 (59th, 1st).

Names.	Type.	Displacement.	Speed.	Mean draft.
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft. in.</i>
Delaware.....	First-class battleship.....	20,000	21.56	26 11
Lamson <sup>1</sup> .....	Torpedo-boat destroyer.....	700	28.61	8 0
Preston <sup>1</sup> .....	do.....	700	29.18	8 0
Smith <sup>1</sup> .....	do.....	700	28.35	8 0
C-2 (formerly Stingray) <sup>2</sup>	Submarine or subsurface torpedo boats (not exceeding \$1,000,000; <sup>3</sup> \$500,000 appropriated).			
C-3 (formerly Tarpon) <sup>2</sup>				
C-4 (formerly Bonita) <sup>2</sup>				
C-5 (formerly Snapper) <sup>2</sup>				
D-1 (formerly Narwhal) <sup>2</sup>				
D-2 (formerly Grayling) <sup>2</sup>				
D-3 (formerly Salmon) <sup>2</sup>				
G-1 (formerly Seal) <sup>2</sup> .....				
Total of tonnage given.....		22,100		

(1907 (59th, 2d).

Flusser.....	Torpedo-boat destroyer.....	700	30.41	8 0
North Dakota.....	First-class battleship.....	20,000	21.01	26 11
Reid.....	Torpedo-boat destroyer.....	700	31.82	8 0
	Limit of contract for submarine and subsurface torpedo boats, act June 20, 1906, increased to \$3,000,000; \$500,000 appropriated.			
Total of tonnage given.....		21,400		

1908 (60th, 1st).

Burrows.....	Torpedo-boat destroyer.....	742	30.67	8 4
Cyclops.....	Collier.....	19,360	14.0	27 8
Drayton.....	Torpedo-boat destroyer.....	742	30.83	8 4
Florida <sup>4</sup> .....	First-class battleship.....	21,825	20.75	28 6
Hector.....	Collier.....	11,230	12.87	24 8
Jupiter.....	Collier (amended 1910, 61-2).....	19,360		
McCall.....	Torpedo-boat destroyer.....	742	30.66	8 4
Mars.....	Collier.....	11,230	12.65	24 8
Mayrant.....	Torpedo-boat destroyer.....	742	30.22	8 4
Paulding.....	do.....	742	30.80	8 4
Perkins.....	do.....	742	29.76	8 4
Roe.....	do.....	742	29.6	8 4
Sterett.....	do.....	742	30.37	8 4
Terry.....	do.....	742	30.24	8 4
Utah.....	First-class battleship.....	21,825	21.09	28 6
Vulcan.....	Collier.....	11,230	12.82	24 8
Warrington.....	Torpedo-boat destroyer.....	742	30.12	8 4
E-1 (formerly Skipjack) <sup>2</sup>	Submarine torpedo boats. Limit of contract, \$3,500,000. Appropriation made of \$3,000,000 for these boats and for completion of submarine boats heretofore authorized.			
E-2 (formerly Sturgeon) <sup>2</sup>				
F-1 (formerly Carp) <sup>2</sup> ...				
F-2 (formerly Barracuda) <sup>2</sup>				
F-3 (formerly Pickerel) <sup>2</sup>				
F-4 (formerly Skate) <sup>2</sup> ...				
G-2 (formerly Tuna) <sup>2</sup> ...				
G-4 (formerly Thrasher) <sup>2</sup>				
Total of tonnage given.....		123,480		

<sup>1</sup> Limit of cost increased from \$750,000 to \$800,000, act Mar. 2, 1907.<sup>2</sup> See history submarine-boat legislation, following this table.<sup>3</sup> Limit of cost increased to \$3,000,000, act Mar. 2, 1907.<sup>4</sup> Built in Government yard.

Table 10.—VESSELS AUTHORIZED, 1883-1915 (BY YEARS AND SESSIONS)—Continued.

1909 (60th, 2d).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		Tons.	Knots.	* Ft.	in.
Ammen.....	Torpedo-boat destroyer.....	742	30.48	8	4
Arkansas.....	First-class battleship.....	26,000	21.05	28	6
Monaghan.....	Torpedo-boat destroyer.....	742	30.45	8	4
Patterson.....	do.....	742	29.69	8	4
Trippe.....	do.....	742	30.89	8	4
Walke.....	do.....	742	29.78	8	4
Wyoming.....	First-class battleship.....	26,000	21.65	28	6
Neptune.....	Collier.....	19,375	12.93	27	7
O-3 (formerly Turbot) <sup>1</sup>	Submarine torpedo boats. Limit of contract, \$2,000,000. Appropriation made of \$3,000,000 for these boats and for completion of submarine boats heretofore authorized.				
H-1 (formerly Seawolf) <sup>1</sup>					
H-2 (formerly Nautilus) <sup>1</sup>					
H-3 (formerly Garfish) <sup>1</sup>					
No. 1 <sup>2</sup>	Torpedo-boat destroyer (subsurface).....				
No. 2 <sup>2</sup>	do.....				
No. 3 <sup>2</sup>	do.....				
Total of tonnage given.....		75,085			

1910 (61st, 2d).

New York.....	First-class battleship.....	27,000	21.0	28	6
Texas.....	do.....	27,000	21.05	28	6
Beale.....	Torpedo-boat destroyer.....	742	29.65	8	4
Fanning.....	do.....	742	29.99	8	4
Henley.....	do.....	742	30.32	8	4
Jarvis.....	do.....	742	30.01	8	4
Jenkins.....	do.....	742	31.27	8	4
Jouett.....	do.....	742	32.27	8	4
	<sup>1</sup> Torpedo-boat destroyer (subsurface). Appropriation of \$445,000 upon condition of compliance with terms of naval appropriation act of Mar. 3, 1909. <sup>2</sup>				
K-1 (formerly Haddock) <sup>1</sup>	<sup>1</sup> 4 submarine torpedo boats. Limit of contract, \$2,000,000. Appropriation made of \$800,000.				
K-2 (formerly Cachalot) <sup>1</sup>					
K-3 (formerly Orca) <sup>1</sup>					
K-4 (formerly Walrus) <sup>1</sup>					
Proteus.....	Collier.....	19,000	14.67	27	8
Nereus.....	do.....	19,000	14.58	27	8
	Fleet collier (to be built on Pacific coast) provided for in act May 13, 1908, p. 619. Limit of cost increased to \$1,000,000.				
Total of tonnage given.....		96,452			

1911 (61st, 3d).

Nevada.....	First-class battleship.....	27,500	20.5	28	6
Oklahoma.....	do.....	27,500	20.5	28	6
Jason.....	Collier.....	19,132	14.32	27	8
Orion.....	do.....	19,132	14.47	27	8
Aylwin.....	Torpedo-boat destroyer.....	1,036	29.60	9	5
Balch.....	do.....	1,036	29.62	9	5
Benham.....	do.....	1,036	29.0	9	5
Cassin.....	do.....	1,020	30.14	9	3
Cummings.....	do.....	1,020	30.57	9	3
Downes.....	do.....	1,072	29.0	9	7
Duncan.....	do.....	1,014	29.14	9	3
Parker.....	do.....	1,036	29.55	9	5
K-5 (formerly No. 36) <sup>1</sup>	<sup>1</sup> 4 submarine torpedo boats. Limit of contract, \$2,000,000. Appropriation made of \$800,000.				
K-6 (formerly No. 37) <sup>1</sup>					
K-7 (formerly No. 38) <sup>1</sup>					
K-8 (formerly No. 39) <sup>1</sup>					
Fulton <sup>3</sup>	Submarine tender.....	1,408	12.25	13	0
Sonoma.....	Tug.....	1,120	13.08	12	6
Ontario.....	do.....	1,120	13.23	12	6
Monocacy.....	River gunboat.....	190	13.25	2	5
Sacramento.....	Gunboat.....	1,425	12.78	11	6
Total of tonnage given.....		106,797			

<sup>1</sup> See history submarine-boat legislation, following this table.<sup>2</sup> Never constructed. Conditions not complied with.<sup>3</sup> Formerly the Niagara.

Table 10.—VESSELS AUTHORIZED, 1883-1915 (BY YEARS AND SESSIONS)—Continued.

1912 (62d, 2d).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft.</i>	<i>in.</i>
Pennsylvania.....	Battleship, first line.....	31,400	21.0	28	10
Kanawha.....	Fuel ship.....	14,500	14.0	26	2
Maumee.....	.....do.....	14,500	14.0	26	2
O'Brien.....	Destroyer.....	1,050	29.0	9	6
Nicholson.....	.....do.....	1,050	29.0	9	6
Winslow.....	.....do.....	1,050	29.0	9	6
McDougal.....	.....do.....	1,020	30.7	9	3
Cushing.....	.....do.....	1,050	29.0	9	6
Ericsson.....	.....do.....	1,090	29.0	9	9
Melville.....	Destroyer tender.....	7,150	15.0	20	0
Bushnell.....	Submarine tender.....	3,580	14.0	15	0
L-1.....	8 submarine torpedo boats. Limit of contract, \$4,480,000. Appropriation made of \$1,600,000. }				
L-2.....					
L-3.....					
L-4.....					
L-5.....					
L-6.....					
L-7.....					
M-1.....					
Total of tonnage given.....		77,440			

1913 (63d, 1st).

Arizona.....	Battleship.....	31,400	21.0	28	10
Tucker.....	Destroyer.....	1,090	29.5	9	4½
Conyngham.....	.....do.....	1,090	29.5	9	4½
Porter.....	.....do.....	1,090	29.5	9	4½
Wadsworth.....	.....do.....	1,060	30.0	9	2½
Jacob Jones.....	.....do.....	1,150	29.5	9	8½
Wainwright.....	.....do.....	1,150	29.5	9	8½
L-8.....	4 submarine torpedo boats. Limit of contract, \$2,478,936. Appropriation made of \$1,294,912. }				
L-9.....					
L-10.....					
L-11.....					
Transport No. 1.....	Transport.....	10,000	14.0	19	10½
Supply ship No. 1.....	Supply ship.....	8,500	14.0	20	8
Total of tonnage given.....		56,530			

1914 (63d, 2d).

California.....	Battleship, first line.....	32,000	21.0	30	0
Mississippi.....	.....do.....	32,000	21.0	30	0
Idaho.....	.....do.....	32,000	21.0	30	0
Samson.....	Destroyer.....	1,110	29.5	9	6
Rowan.....	.....do.....	1,110	29.5	9	6
Davis.....	.....do.....	1,110	29.5	9	6
Allen.....	.....do.....	1,110	29.5	9	6
Wilkes.....	.....do.....	1,110	29.5	9	6
Shaw.....	.....do.....	1,110	29.5	9	6
Schley.....	8 or more submarine torpedo boats. Limit of contract, \$4,460,000. Appropriation made of \$1,825,000. }				
N-1.....					
N-2.....					
N-3.....					
N-4.....					
N-5.....					
N-6.....					
N-7.....					
Total of tonnage given.....		102,660			



Table 10.—VESSELS AUTHORIZED, 1883-1915 (BY YEARS AND SESSIONS)—Continued.

1915 (63d, 3d).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft.</i>	<i>in.</i>
No. 43.....	Battleship, first line.....	<sup>1</sup> 32,000	20.5	30	0
No. 44.....	do.....	<sup>1</sup> 32,000	20.5	30	0
No. 69.....	Destroyer.....	<sup>1</sup> 1,125	30.0	8	0
No. 70.....	do.....	<sup>1</sup> 1,125	30.0	8	0
No. 71.....	do.....	<sup>1</sup> 1,125	30.0	8	0
No. 72.....	do.....	<sup>1</sup> 1,125	30.0	8	0
No. 73.....	do.....	<sup>1</sup> 1,125	30.0	8	0
No. 74.....	do.....	<sup>1</sup> 1,125	30.0	8	0
No. 60.....	Two submarines to be of seagoing type. Limit of contract, \$1,500,000 each.				
No. 61.....					
No. 62.....					
No. 63.....					
No. 64.....					
No. 65.....					
No. 66.....					
No. 67.....					
No. 68.....					
No. 69.....	16 submarines. Limit of contract, \$550,000 each. Appropriation made of \$4,090,000.				
No. 70.....					
No. 71.....					
No. 72.....					
No. 73.....					
No. 74.....					
No. 75.....					
No. 76.....					
No. 77.....					
Cuyama.....	Fuel ship.....	14,500	14.0	26	2
Total of tonnage given.....	.....	85,250			
Grand total of tonnage given from 1883.....	.....	1,538,679			

<sup>1</sup> Approximate.

Table 11.—HISTORY OF APPROPRIATIONS FOR SUBMARINES AND SUB-SURFACE BOATS.

Act of March 3, 1893, authorized the building of one submarine torpedo boat. This was the original *Plunger*, which was contracted for with the Holland Torpedo Boat Co. March 13, 1895. This boat was never finished and the contract was canceled April, 1900, the amount previously paid toward her construction being credited on new contract of November 19, 1900. This contract was a result of acts of June 10, 1896, and March 3, 1899, and was for a new *Plunger* (A-1), payment being made out of this appropriation of 1893—\$200,000.

Act of June 10, 1896, provided for construction of two Holland submarine boats at \$175,000 each. This act provided that no action toward purchase of these boats should be taken until boat purchased under act of 1893 should be tested.

Act of March 3, 1899, modified act of June 10, 1896, amending it to permit purchase of two submarines of *Holland* type, similar to the *Holland*. One of these was the *Holland*, purchased from the Holland Torpedo Boat Co., for \$150,000. The other was the new *Plunger* (A-1), referred to under act of 1893.

Act of June 7, 1900, provided for construction of five submarine torpedo boats of *Holland* type, and the department, on August 25, 1900 (referring to acts of 1896, 1899, and 1900), contracted with the Holland Torpedo Boat Co. for *Adder* (A-2), *Grampus* (A-3), *Moccasin* (A-4), *Pike* (A-5), *Porpoise* (A-6), and *Shark* (A-7), at \$170,000 each.

All the above except the *Plunger* were paid for out of appropriations "Increase of the Navy, construction and machinery."

Act of March 3, 1903, authorized the Secretary of the Navy, in his discretion, to contract for or purchase subsurface or submarine torpedo boats, not exceeding \$500,000, and provided for certain tests.

Act of April 27, 1904, the Secretary of the Navy is authorized to contract for or purchase subsurface or submarine torpedo boats after they have been fully tested to his satisfaction and found to fulfill all reasonable requirements for submarine warfare.

Eight hundred and fifty thousand dollars is appropriated for this purpose, and to make up said sum the sum of \$500,000 (or such part thereof as may remain unexpended) is reappropriated in this act.

Under this act contract was made with the Electric Boat Co., of New York, for four submarine torpedo boats, building at the Fore River Ship Building Co., Quincy, Mass., named as follows: *Octopus* (C-1), *Viper* (B-1), *Cuttlefish* (B-2), *Tarantula* (B-3).

Act of June 29, 1906, Secretary of the Navy is authorized to contract for or purchase subsurface or submarine torpedo boats to an amount not exceeding \$1,000,000, of which sum \$500,000 is appropriated.

Act of March 2, 1907, limit of cost of act of June 29, 1906, increased to \$3,000,000, of which sum \$500,000, (additional to the \$500,000 of act of June 29, 1906) is appropriated. Test period is extended until May 29, 1907. No part of this appropriation to be expended for any boat that does not in such test prove to be equal, in the judgment of the Secretary of the Navy, to the best boat now owned by the United States or under contract therefor.

Under this act and act of June 29, 1906, contract was made with the Electric Boat Co. for four submarine boats of the *Octopus* type at \$285,000 each, and for three others of the same type, though of greater displacement, at \$300,000 each. A conditional contract was made with the Lake Torpedo Co. for one (*Seal*, now G-1).

Act of May 13, 1908, provided for eight submarine torpedo boats in an amount not exceeding \$3,500,000 in the aggregate; \$3,000,000 is appropriated toward said purpose and for the completion of those heretofore authorized.

Under this act contract was made with the Electric Boat Co. for six submarine boats, with the American Laurenti Co. for one, and with the Lake Torpedo Boat Co. for one.

Act of March 3, 1909, provided for four submarine torpedo boats in an amount not exceeding \$2,000,000 in the aggregate; \$3,000,000 is appropriated toward said purpose, and for the completion of those heretofore authorized.

Under this act contract was made with the Electric Boat Co. for three and with the Lake Torpedo Boat Co. for one.

Act of June 24, 1910, provided for four submarine torpedo boats in an amount not exceeding \$2,000,000 in the aggregate, and \$800,000 is appropriated toward said purpose. On account of submarine torpedo boats heretofore authorized, \$59,971 is appropriated.

Under this act contract was made with the Electric Boat Co. for four submarine boats.

Act of March 4, 1911, provided for four submarine torpedo boats in an amount "not exceeding in the aggregate \$2,000,000, and the sum of \$800,000 is hereby appropriated for said purpose: *Provided*, That no part of this appropriation shall be expended for the construction of any boat by any person, firm, or corporation which has not at the time of the commencement and construction of said vessel established an eight-hour work day for all employees, laborers, and mechanics engaged, or to be engaged, in the construction of the vessels named herein."

Under this act contract was made with the Electric Boat Co. for four submarine boats.

Act of August 22, 1912, provided for eight submarine torpedo boats in an amount not exceeding \$4,480,00 in the aggregate, and \$1,600,000 is appropriated toward said purpose.

Under this act contract was made with the Electric Boat Co. for five submarine boats and with the Lake Torpedo Boat Co. for three boats.

Act of March 4, 1913, provided for four submarine torpedo boats in an amount not exceeding \$2,478,936 in the aggregate, and \$1,294,912 appropriated toward said purpose.

One of the vessels provided for by this act, No. 48 (L-8) was authorized by the department to be built at the navy yard, Portsmouth, N. H., in accordance with the designs obtained from the Lake Torpedo Boat Co. at a compensation to the company of \$52,700. Contracts were made with the Electric Boat Co. for the construction of the other three boats, No. 49 (L-9) at \$535,000, No. 60 (L-10) at \$535,000, and No. 51 (L-11) at \$523,000.

Act of June 30, 1914, provided for eight or more submarines in an amount not exceeding \$4,460,000 in the aggregate, and \$1,825,000 appropriated toward said purpose. The appropriation of \$300,000 made in the naval act approved March 4, 1913 for testing and wrecking pontoon for submarines, to be available until expended, is made available until expended for the construction of said eight or more submarines.

Contracts were made with the Electric Boat Co. for four of these boats—No. 52, the *Schley* (seagoing type), at \$1,350,000, No. 53 (N-1) at \$450,000, No. 54 (N-2) at \$450,000, and No. 55 (N-3) at \$450,000, No. 52 to be built by the Fore River Shipbuilding Corporation, Quincy, Mass., as subcontractor, and the other three by the Seattle Construction & Dry Dock Co., Seattle, Wash., as subcontractor.

Contracts were made with the Lake Torpedo Boat Co. for the other four boats, No. 56 (N-4) at \$427,000, No. 57 (N-5) at \$427,000, No. 58 (N-6) at \$427,000, and No. 59 (N-7) at \$427,000. All four of these vessels are to be built at Bridgeport, Conn., by the Lake company itself.

Act of March 3, 1915, provides for two submarines of seagoing type and 25 knots speed at not exceeding \$1,500,000 each, and 16 submarines at not exceeding \$550,000 each, and appropriated the sum of \$4,090,000, toward said purposes.

Table 12.—LIST OF SUBMARINES (SHOWING CONTRACTOR AND PLACE WHERE BUILT).

Name.	Official No.	Contractor.	By whom and where built or building.
Holland <sup>1</sup> .....	.....	J. P. Holland Torpedo Boat Co., New York, N. Y.	Crescent Shipyard, Elizabethport, N. J.
A-1.....	.....	do.....	Do.
A-2.....	.....	do.....	Do.
A-3.....	.....	do.....	Union Iron Works, San Francisco, Cal.
A-4.....	.....	do.....	Crescent Shipyard, Elizabethport, N. J.
A-5.....	.....	do.....	Union Iron Works, San Francisco, Cal.
A-6.....	.....	do.....	Crescent Shipyard, Elizabethport, N. J.
A-7.....	.....	do.....	Do.
B-1.....	.....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.
B-2.....	.....	do.....	Do.
B-3.....	.....	do.....	Do.
C-1.....	.....	do.....	Do.
C-2.....	.....	do.....	Do.
C-3.....	.....	do.....	Do.
C-4.....	.....	do.....	Do.
C-5.....	.....	do.....	Do.
D-1.....	.....	do.....	Do.
D-2.....	.....	do.....	Do.
D-3.....	.....	do.....	Do.
E-1.....	.....	do.....	Do.
E-2.....	.....	do.....	Do.
F-1.....	.....	do.....	Union Iron Works, San Francisco, Cal.
F-2.....	.....	do.....	Do.
F-3.....	.....	do.....	The Moran Co., Seattle, Wash.
F-4 <sup>2</sup> .....	.....	do.....	Do.
G-1.....	.....	Lake Torpedo Boat Co., Bridge- port, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
G-2 <sup>3</sup> .....	.....	do.....	Do.
G-3 <sup>3</sup> .....	.....	do.....	Do.
G-4.....	.....	American Laurenti Co., Phila- delphia, Pa.	Wm. Cramp & Sons, Philadelphia, Pa.
H-1.....	.....	Electric Boat Co., New York, N. Y.	Union Iron Works, San Francisco, Cal.
H-2.....	.....	do.....	Do.
H-3.....	.....	do.....	The Moran Co., Seattle, Wash.
K-1.....	.....	do.....	Fore River S. B. Co., Quincy, Mass.
K-2.....	.....	do.....	Do.
K-3.....	.....	do.....	Union Iron Works, San Francisco, Cal.
K-4.....	.....	do.....	The Moran Co., Seattle, Wash.
K-5.....	.....	do.....	Fore River S. B. Co., Quincy, Mass.
K-6.....	.....	do.....	Do.
K-7.....	.....	do.....	Union Iron Works, San Francisco, Cal.
K-8.....	.....	do.....	Do.
L-1 <sup>3</sup> .....	.....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.
L-2 <sup>3</sup> .....	.....	do.....	Do.
L-3 <sup>3</sup> .....	.....	do.....	Do.
L-4 <sup>3</sup> .....	.....	do.....	Do.
L-5 <sup>3</sup> .....	.....	Lake Torpedo Boat Co., Bridge- port, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
L-6 <sup>3</sup> .....	.....	do.....	Craig, S. B. Co., Long Beach, Cal.
L-7 <sup>3</sup> .....	.....	do.....	Do.
L-8 <sup>3</sup> .....	.....	.....	Government, navy yard, Portsmouth, N. H.
L-9 <sup>3</sup> .....	.....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.
L-10 <sup>3</sup> .....	.....	do.....	Do.
L-11 <sup>3</sup> .....	.....	do.....	Do.
M-1 <sup>3</sup> .....	.....	do.....	Do.
N-1.....	.....	do.....	Seattle Construction & Dry Dock Co.
N-2.....	.....	do.....	Do.
N-3.....	.....	do.....	Do.
N-4.....	.....	Lake Torpedo Boat Co., Bridge- port, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
N-5.....	.....	do.....	Do.
N-6.....	.....	do.....	Do.
N-7.....	.....	do.....	Do.
Schley.....	.....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.

<sup>1</sup> Stricken from the Navy Register Mar. 3, 1913.<sup>2</sup> Stricken from Navy Register.<sup>3</sup> Building.



Table 13.—LIST OF SUBMARINES (WHEN AUTHORIZED, FIRST AND LAST COMMISSION, AND PRICE).

Name.	Official No.	Date of act authorizing the building.	Date of first and latest commission.	Contract price.
Holland.....		Apr. 11, 1900 <sup>1</sup>	Oct. 12, 1900	<sup>2</sup> 150,000
A-1.....		Mar. 3, 1899 <sup>3</sup>	Sept. 19, 1903	170,000
A-2.....		June 7, 1900 <sup>3</sup>	Feb. 25, 1907	170,000
A-3.....		do.....	Jan. 12, 1903	170,000
A-4.....		do.....	Feb. 10, 1910	170,000
A-5.....		do.....	May 12, 1908	170,000
A-6.....		do.....	June 9, 1908	170,000
A-7.....		do.....	Jan. 17, 1903	170,000
B-1.....		Apr. 27, 1904	Feb. 10, 1910	200,000
B-2.....		do.....	May 28, 1903	185,000
B-3.....		do.....	June 9, 1908	185,000
C-1.....		do.....	Sept. 19, 1903	250,000
C-2.....		June 29, 1906 <sup>4</sup>	June 9, 1908	285,000
C-3.....		do.....	Oct. 18, 1907	285,000
C-4.....		do.....	Apr. 15, 1910	285,000
C-5.....		do.....	Dec. 3, 1907	285,000
D-1.....		do.....	Apr. 15, 1910	360,000
D-2.....		do.....	Feb. 2, 1910	360,000
D-3.....		do.....	Nov. 23, 1909	360,000
E-1.....		May 13, 1908	Sept. 8, 1910	375,000
E-2.....		do.....	Feb. 14, 1912	375,000
F-1.....		do.....	do.....	454,740
F-2.....		do.....	June 19, 1912	454,740
F-3.....		do.....	June 25, 1912	454,740
G-1.....		June 29, 1906 <sup>4</sup>	Aug. 5, 1912	450,000
G-2.....		May 13, 1908	Oct. 28, 1912	410,000
G-3.....		Mar. 3, 1909	Dec. 1, 1913	455,000
G-4.....		May 13, 1908	Feb. 6, 1915	437,500
H-1.....		Mar. 3, 1909	Mar. 22, 1915	491,000
H-2.....		do.....	Jan. 22, 1914	491,000
H-3.....		do.....	Dec. 1, 1913	491,000
K-1.....		June 24, 1910	do.....	491,000
K-2.....		do.....	Jan. 16, 1914	469,000
K-3.....		do.....	Mar. 17, 1914	469,000
K-4.....		do.....	Jan. 31, 1914	501,000
K-5.....		do.....	Oct. 30, 1914	501,000
K-6.....		Mar. 4, 1911	do.....	478,000
K-7.....		do.....	Aug. 24, 1914	478,000
K-8.....		do.....	Sept. 9, 1914	512,000
L-1.....		Aug. 22, 1912	do.....	512,000
L-2.....		do.....	do.....	534,000
L-3.....		do.....	do.....	534,000
L-4.....		do.....	do.....	534,000
L-5.....		do.....	do.....	534,000
L-6.....		do.....	do.....	535,000
L-7.....		do.....	do.....	560,000
L-8.....		do.....	do.....	560,000
L-9.....		Mar. 4, 1913 <sup>5</sup>	do.....	535,000
L-10.....		do.....	do.....	535,000
L-11.....		do.....	do.....	523,000
M-1.....		Aug. 22, 1912	do.....	615,000
N-1.....		June 30, 1914	do.....	450,000
N-2.....		do.....	do.....	450,000
N-3.....		do.....	do.....	450,000
N-4.....		do.....	do.....	427,000
N-5.....		do.....	do.....	427,000
N-6.....		do.....	do.....	427,000
N-7.....		do.....	do.....	427,000
Schley.....		do.....	do.....	1,350,000

<sup>1</sup> Date of purchase. (Purchased under act of Mar. 3, 1899.)<sup>2</sup> Purchase price.<sup>3</sup> Together with acts of June 10, 1896, and Mar. 3, 1899.<sup>4</sup> Together with act of Mar. 2, 1907.<sup>5</sup> Being built, navy yard, Portsmouth, N. H.

Table 14.—COST OF CONSTRUCTION OF SHIPS (COMPLETED) OF THE NAVY, JUNE 30, 1915.

[Includes only vessels provided for under "Increase of the Navy" appropriations Mar. 3, 1883 to date, and excludes vessels purchased during the Spanish War and tugs, lighters, etc., built under other appropriations.]

Ship.	Number under which authorized.	Hull and machinery, including armor.	Equipage, including armament.	Total.
<b>BATTLESHIPS.</b>				
Indiana <sup>1</sup> .....	1	\$5,333,708.05	\$649,663.93	\$5,983,371.98
Massachusetts <sup>1</sup> .....	2	5,401,844.97	645,272.98	6,047,117.95
Oregon <sup>2</sup> .....	3	5,914,021.90	661,010.86	6,575,032.76
Iowa <sup>1</sup> .....	4	5,162,587.12	708,619.20	5,871,206.32
Kearsarge <sup>3</sup> .....	5	4,429,890.69	613,700.99	5,043,591.68
Kentucky <sup>3</sup> .....	6	4,418,094.99	580,024.44	4,998,119.43
Illinois <sup>3</sup> .....	7	4,073,429.26	547,979.56	4,621,408.82
Alabama <sup>1</sup> .....	8	4,077,010.09	588,810.13	4,665,820.22
Wisconsin <sup>2</sup> .....	9	4,162,617.53	561,276.75	4,723,894.28
Maine <sup>1</sup> .....	10	4,567,464.52	814,439.09	5,381,903.61
Missouri <sup>3</sup> .....	11	4,438,925.08	819,335.47	5,258,260.55
Ohio <sup>2</sup> .....	12	4,475,375.45	790,129.39	5,265,504.84
Virginia <sup>3</sup> .....	13	5,491,036.12	1,090,798.26	6,581,834.38
Nebraska <sup>4</sup> .....	14	5,679,515.96	1,153,281.00	6,832,796.96
Georgia <sup>5</sup> .....	15	5,541,279.58	1,004,754.46	6,546,034.04
New Jersey <sup>6</sup> .....	16	5,385,806.41	1,036,301.18	6,422,107.59
Rhode Island <sup>6</sup> .....	17	5,360,125.52	1,059,136.56	6,419,262.08
Connecticut <sup>7</sup> .....	18	6,394,757.77	1,516,496.41	7,911,254.18
Louisiana <sup>3</sup> .....	19	6,065,531.19	1,301,601.84	7,367,133.03
Vermont <sup>6</sup> .....	20	6,166,267.28	1,405,495.15	7,571,762.43
Kansas <sup>8</sup> .....	21	6,208,540.89	1,334,953.92	7,543,494.81
Minnesota <sup>3</sup> .....	22	6,149,874.47	1,298,251.11	7,448,125.58
New Hampshire <sup>8</sup> .....	25	5,976,236.99	1,153,666.06	7,129,903.05
South Carolina <sup>1</sup> .....	26	5,669,186.53	1,014,687.51	6,683,874.04
Michigan <sup>8</sup> .....	27	5,693,619.87	1,101,717.89	6,795,337.76
Delaware <sup>3</sup> .....	28	6,830,795.88	1,238,704.30	8,069,500.18
North Dakota <sup>9</sup> .....	29	7,246,687.04	1,273,038.21	8,519,725.25
Florida <sup>7</sup> .....	30	8,883,755.46	1,288,740.27	10,242,495.73
Utah <sup>8</sup> .....	31	7,002,295.02	1,187,379.26	8,189,674.28
Wyoming <sup>1</sup> .....	32	8,241,265.53	1,676,201.31	9,917,466.84
Arkansas <sup>8</sup> .....	33	8,376,917.92	1,563,391.36	9,940,309.28
New York <sup>7</sup> .....	34	9,757,749.07	1,461,641.67	11,219,390.74
Texas <sup>3</sup> .....	35	9,476,937.31	1,448,946.72	10,925,884.03
<b>Total</b> .....		<b>198,153,151.46</b>	<b>34,559,446.24</b>	<b>232,712,597.70</b>
<b>ARMORED CRUISERS.</b>				
Saratoga <sup>1</sup> .....	2	3,897,840.32	448,802.07	4,346,642.39
Brooklyn <sup>1</sup> .....	3	3,944,820.73	478,969.36	4,423,790.09
Pittsburgh <sup>1</sup> .....	4	4,857,086.24	850,493.65	5,707,579.89
West Virginia <sup>3</sup> .....	5	4,885,216.51	843,840.85	5,729,057.36
San Diego <sup>2</sup> .....	6	4,713,274.11	867,176.13	5,580,450.24
Colorado <sup>1</sup> .....	7	4,831,941.38	860,201.59	5,692,142.97
Maryland <sup>3</sup> .....	8	4,874,874.16	808,019.89	5,682,894.05
South Dakota <sup>2</sup> .....	9	4,735,160.58	902,821.71	5,637,982.29
Tennessee <sup>1</sup> .....	10	5,213,918.04	950,755.36	6,164,673.40
Washington <sup>8</sup> .....	11	5,201,905.64	955,519.36	6,157,425.00
North Carolina <sup>3</sup> .....	12	4,779,380.27	1,122,345.53	5,901,725.80
Montana <sup>3</sup> .....	13	4,781,089.20	1,093,171.35	5,874,260.55
<b>Total</b> .....		<b>56,716,507.18</b>	<b>10,182,116.85</b>	<b>66,898,624.03</b>
<b>PROTECTED CRUISERS.</b>				
Baltimore.....	3	1,554,483.94	422,245.41	1,976,729.35
Philadelphia.....	4	1,561,392.47	397,267.91	1,958,660.38
San Francisco.....	5	1,738,257.82	397,045.49	2,135,303.31
Olympia.....	6	2,484,027.54	495,255.84	2,979,283.38
Cincinnati.....	7	2,023,326.91	348,577.61	2,371,904.52
Raleigh.....	8	1,867,934.32	331,795.48	2,199,729.80
Columbia.....	12	3,461,960.26	447,051.00	3,909,011.26
Minneapolis.....	13	3,408,707.07	446,289.37	3,849,996.44
Denver.....	14	1,136,146.06	278,914.08	1,415,060.14

<sup>1</sup> Wm. Cramp & Sons, Philadelphia, Pa.<sup>2</sup> Union Iron Works, San Francisco, Cal.<sup>3</sup> Newport News Shipbuilding Co., Newport News, Va.<sup>4</sup> Moran Bros., Seattle, Wash.<sup>5</sup> Bath Iron Works, Bath, Me.<sup>6</sup> Fore River Ship & Engine Co., Quincy, Mass.<sup>7</sup> Navy yard, New York.<sup>8</sup> New York Shipbuilding Co., Camden, N. J.<sup>9</sup> Fore River Shipbuilding Co., Quincy, Mass.

Table 14.—COST OF CONSTRUCTION OF SHIPS (COMPLETED) OF THE NAVY—Continued.

JUNE 30, 1915—Continued.

Ship.	Number under which authorized.	Hull and machinery, including armor.	Equipage, including armament.	Total.
PROTECTED CRUISERS—continued.				
Des Moines.....	15	\$1,156,256.68	\$269,844.74	\$1,426,101.42
Chattanooga.....	16	1,378,445.75	308,148.45	1,686,594.20
Galveston.....	17	1,426,850.73	309,923.50	1,736,774.23
Tacoma.....	18	1,113,395.45	285,386.30	1,398,781.75
Cleveland.....	19	1,093,320.33	276,488.77	1,374,809.10
St. Louis.....	20	3,173,782.63	644,408.09	3,818,190.72
Milwaukee.....	21	3,275,217.29	660,834.33	3,936,051.62
Charleston.....	22	3,167,234.16	664,176.84	3,831,411.00
Total.....		35,020,739.41	6,983,653.21	42,004,392.62
VESSELS AUTHORIZED MAR. 3, 1883.				
Atlanta.....		4,268,801.80		4,268,801.80
Boston.....				
Chicago.....				
Dolphin.....				
UNPROTECTED CRUISERS.				
Montgomery.....	9	1,050,933.54	216,176.17	1,267,109.71
Marblehead.....	11	1,061,426.30	229,736.63	1,291,162.93
Total.....		2,112,359.84	445,912.80	2,558,272.64
SCOUT CRUISERS.				
Chester.....	1	1,766,293.52	269,693.35	2,035,986.87
Birmingham.....	2	1,629,956.43	266,332.78	1,896,289.21
Salem.....	3	1,619,325.00	291,412.59	1,910,737.59
Total.....		5,015,574.95	827,438.72	5,843,013.67
MONITORS.				
Amphitrite.....		1,951,868.17	244,111.90	2,195,980.07
Cheyenne.....		1,372,093.16	218,287.68	1,590,380.84
Miantonomoh.....		2,241,418.64	298,718.21	2,540,136.85
Monadnock.....		2,549,170.70	207,589.65	2,756,760.35
Monterey.....		2,301,104.75	460,266.31	2,761,371.06
Ozark.....		1,413,962.99	209,916.31	1,623,879.30
Tallahassee.....		1,307,130.91	211,048.85	1,518,179.76
Terror.....		2,018,759.25	198,342.85	2,217,102.10
Tonopah.....		1,396,488.61	222,564.27	1,619,052.88
Total.....		16,551,997.18	2,270,846.03	18,822,843.21
GUNBOATS.				
Yorktown.....	1	548,906.61	219,123.98	768,030.59
Petrel.....	2	309,981.65	154,053.87	464,035.52
Concord.....	3	566,356.21	198,927.51	765,283.72
Machias.....	5	492,502.32	165,258.75	657,761.07
Castine.....	6	510,878.13	160,586.07	671,464.20
Nashville.....	7	476,722.06	109,646.09	586,368.15
Wilmington.....	8	424,868.65	106,323.58	531,192.23
Helena.....	9	430,669.05	108,373.12	539,042.17
Annapolis.....	10	278,131.52	97,285.69	375,417.21
Vicksburg.....	11	286,050.92	102,699.69	388,750.61
Newport.....	12	298,615.14	105,341.19	403,956.33
Princeton.....	13	313,176.68	87,468.85	400,645.53
Wheeling.....	14	256,069.19	92,446.77	348,515.96
Marietta.....	15	260,572.02	90,852.60	351,424.62
Palos.....	16	136,497.43	29,738.09	166,235.52
Dubuque.....	17	334,974.23	107,429.10	442,403.33
Paducah.....	18	392,698.97	114,233.92	506,932.89
Sacramento.....	19	493,075.08	107,992.98	601,068.06
Monocacy.....	20	134,468.72	26,895.54	161,364.26
Total.....		6,945,214.58	2,184,677.39	9,129,891.97

¹ Cost of equipage included.



Table 14.—COST OF CONSTRUCTION OF SHIPS (COMPLETED) OF THE NAVY—Continued.

JUNE 30, 1915—Continued.

Ship.	Number under which authorized.	Hull and machinery, including armor.	Equipage, including armament.	Total.
TRAINING SHIPS.				
Boxer.....		\$94,703.14	\$21,927.40	\$116,630.54
Cumberland.....		427,463.37	154,405.43	581,868.80
Intrepid.....		403,948.19	146,943.58	550,891.77
Severn.....		357,641.96	106,773.15	464,415.11
Total.....		1,283,756.66	430,049.56	1,713,806.22
FUEL SHIPS.				
Vestal.....	1	1,625,417.26	108,704.09	1,734,121.35
Prometheus.....	2	1,605,622.20	69,666.43	1,675,288.63
Jupiter.....	3	1,326,111.36	77,916.10	1,404,027.46
Cyclops.....	4	871,518.35	51,488.78	923,007.13
Vulcan.....	5	515,136.49	42,917.14	558,053.63
Mars.....	6	514,634.05	38,726.12	553,360.17
Hector.....	7	514,027.60	39,059.43	553,087.03
Neptune.....	8	922,144.55	63,360.75	985,505.30
Proteus.....	9	998,652.53	46,611.00	1,045,263.53
Nereus.....	10	1,023,854.15	71,596.71	1,095,450.86
Orion.....	11	974,479.85	82,327.86	1,056,807.71
Jason.....	12	971,338.04	73,069.63	1,044,407.67
Total.....		11,862,936.43	765,444.04	12,628,380.47
TORPEDO BOATS, DESTROYERS, AND SUBMARINES.				
Total.....		45,443,952.77	4,563,070.36	50,007,023.13
SEAGOING TUGS.				
Ontario.....		210,137.97	20,503.37	230,641.34
Sonoma.....		198,778.55	17,377.36	216,155.91
Total.....		408,916.52	37,880.73	446,797.25
VESSELS LOST, DESTROYED, SOLD, AND DROPPED FROM THE NAVY LIST.				
Atlanta <sup>1</sup> .....				
Bennington.....		578,806.37	190,511.34	769,317.71
Charleston.....		1,185,966.94	413,891.26	1,599,858.20
Detroit.....		1,004,711.65	228,328.25	1,233,039.90
Idaho (original).....		4,797,675.01	1,097,286.15	5,894,961.16
Katahdin.....		1,513,691.31	16,136.08	1,529,827.39
Maine.....		4,044,166.72	633,622.03	4,677,788.75
Mississippi (original).....		4,740,800.95	1,092,000.46	5,832,801.41
Newark.....		1,439,382.20	390,735.00	1,830,117.20
Puritan.....		3,056,278.33	339,187.58	3,395,465.91
San Marcos.....		3,638,284.99	563,836.50	4,202,121.49
Torpedo boats, etc.....		2,473,636.99	197,665.40	2,671,302.39
Total.....		28,473,401.46	5,163,200.05	33,636,601.51
Grand total.....		412,257,310.24	68,413,735.98	480,671,046.22

<sup>1</sup> See vessels authorized Mar. 3, 1883.

Table 15.—COST OF CONSTRUCTION OF SHIPS (UNDER CONSTRUCTION)  
OF THE NAVY, JUNE 30, 1915.

Vessel.	Amount.	Vessel.	Amount.
Arizona.....	\$6,651,838.34	L-1.....	\$482,685.72
Bushnell.....	838,355.35	L-2.....	482,685.72
California.....	405,239.20	L-3.....	482,685.72
Conyngham.....	617,042.12	L-4.....	481,845.73
Cushing.....	769,375.53	L-5.....	240,770.18
Downes.....	721,512.15	L-6.....	224,019.84
Eriesson.....	783,276.46	L-7.....	196,020.18
Jacob Jones.....	619,097.34	L-8.....	35,641.53
Kanawha.....	959,599.13	L-9.....	401,250.00
Maumee.....	881,705.77	L-10.....	401,250.00
Melville.....	1,180,921.46	L-11.....	341,189.00
Nevada.....	9,196,607.24	M-1.....	493,476.17
Nicholson.....	822,447.49	N-4.....	42,700.00
O'Brien.....	823,112.12	N-5.....	42,700.00
Oklahoma.....	9,386,796.95	N-6.....	42,700.00
Pennsylvania.....	9,519,266.13	N-7.....	42,700.00
Porter.....	573,001.80	Destroyer No. 63 (Samson).....	278,359.65
Tucker.....	560,093.39	Destroyer No. 64 (Rowan).....	238,609.66
Wadsworth.....	795,929.81	Destroyer No. 65 (Davis).....	160,000.00
Wainwright.....	619,083.68	Destroyer No. 66 (Allen).....	160,000.00
Winslow.....	751,892.61	Destroyer No. 67 (Wilkes).....	81,230.90
Supply ship No. 1.....	118,777.30	Destroyer No. 68 (Shaw).....	34,068.86
Idaho.....	3,332,144.98	Transport No. 1.....	119,465.15
Mississippi.....	2,501,890.10		
G-2.....	464,959.43		
G-3.....	505,349.31	Total.....	59,905,389.20

TOTAL COST OF ALL VESSELS OF THE NEW NAVY BUILT AND BUILDING UNDER APPROPRIATIONS FOR "INCREASE OF NAVY" TO JUNE 30, 1915, \$540,576,435.42.

Table 16.—AVERAGE COST OF MAINTAINING SHIPS IN COMMISSION (BY TYPES OF SHIPS).

[Ships in full commission during the entire fiscal year 1915.]

Type of vessel.	Cost of commission, including pay of officers and enlisted men.	Repairs to hull, machinery, and equipage. Changes and additions, hull and machinery.	Total.
Battleship <sup>1</sup> .....	\$710,070.20	\$110,004.63	\$820,074.83
Armored cruiser.....	594,488.70	69,503.92	663,992.62
Cruiser, first class.....	489,540.69	23,188.98	512,729.67
Cruiser, third class.....	258,526.82	31,824.77	290,351.59
Torpedo-boat destroyer.....	101,956.72	23,105.06	125,061.78
Monitor.....	158,110.07	35,446.88	193,556.95
Submarine torpedo boat.....	29,311.32	8,083.38	37,394.70
Transport.....	216,790.58	36,138.39	252,928.97
Gunboat.....	111,913.53	14,227.33	126,140.86
Supply ship.....	160,252.24	42,516.36	202,768.60
Hospital ship.....	157,590.15	45,681.25	203,271.40
Tender for torpedo boat.....	179,641.58	8,134.38	187,775.96
Fuel ship <sup>2</sup> .....	88,036.92	28,056.29	116,093.21

<sup>1</sup> Maximum cost being for Wyoming, \$1,024,527.02.

<sup>2</sup> Includes pay and subsistence of civilian officers and crew.

Table 17.—ARMAMENTS AND COMPLEMENTS OF SHIPS.

## FIRST-LINE BATTLESHIPS.

Names and official No.	Batteries.		Officers.	Men.
	Guns.	Torpedo tubes.		
1 Arizona (39).....	12 14" 45 Cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3-pdr. saluting.	4 21", submerged.....	56	889
2 Arkansas (33).....	12 12" 50 cal. B. L. R.; 21 5" 51 cal. R. F.; 4 3-pdr. saluting.	2 21", submerged.....	1 55	1,008
3 California (40).....	12 14" 50 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3-pdr. saluting; 4 3" aero guns.	4 21", submerged.....	60	889
4 Delaware (28).....	10 12" 45 cal. B. L. R.; 14 5" 50 cal. R. F.; 4 3-pdr. saluting.	2 21", submerged.....	53	894
5 Florida (30).....	10 12" 45 cal. B. L. R.; 16 5" 51 cal. R. F.; 4 3-pdr. saluting.	2 21", submerged.....	1 53	894
6 Idaho (42).....	12 14" 50 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3-pdr. saluting; 4 3" aero guns.	4 21", submerged.....	60	889
7 Mississippi (41).....	12 14" 50 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3-pdr. saluting; 4 3" aero guns.	4 21", submerged.....	60	889
8 Nevada (36).....	10 14" 45 cal. B. L. R.; 21 5" 51 cal. B. L. R.; 4 3-pdr. saluting.	4 21", submerged.....	53	859
9 New York (34).....	10 14" 45 cal. B. L. R.; 21 5" 51 cal. B. L. R.; 4 3-pdr. saluting.	4 21", submerged.....	1 53	971
10 North Dakota (29).....	10 12" 45 cal. B. L. R.; 14 5" 50 cal. B. L. R.; 4 3-pdr. saluting.	2 21", submerged.....	53	892
11 Oklahoma (37).....	10 14" 45 cal. B. L. R.; 21 5" 51 cal. B. L. R.; 4 3-pdr. saluting.	4 21", submerged.....	53	859
12 Pennsylvania (38).....	12 14" 45 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3-pdr. saluting.	4 21", submerged.....	56	889
13 Texas (35).....	10 14" 45 cal. B. L. R.; 21 5" 51 cal. B. L. R.; 4 3-pdr. saluting.	4 21", submerged.....	1 53	971
14 Utah (31).....	10 12" 45 cal. B. L. R.; 16 5" 51 cal. R. F.; 4 6-pdr. saluting.	2 21", submerged.....	1 53	895
15 Wyoming (32).....	12 12" 50 cal. B. L. R.; 21 5" 51 cal. R. F.; 4 3-pdr. saluting.	2 21", submerged.....	1 55	982
16 No. 43.....	.....	.....	.....	.....
17 No. 44.....	.....	.....	.....	.....

## SECOND LINE.

1 Alabama (8).....	4 13" 35 cal. B. L. R.; 14 6" 40 cal. R. F.; 4 3" 50 cal. R. F.; 4 6-pdr. saluting.	.....	44	661
2 Connecticut (18).....	4 12" 45 cal. B. L. R.; 8 8" 45 cal. B. L. R.; 12 7" 45 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 3-pdr. saluting.	4 21", submerged.....	1 56	911
3 Georgia (15).....	4 12" 40 cal. B. L. R.; 8 8" 45 cal. B. L. R.; 12 6" 50 cal. B. L. R.; 12 3" 50 cal. R. F.; 4 6-pdr. saluting.	4 21", submerged.....	1 56	863
4 Illinois (7).....	4 13" 35 cal. B. L. R.; 14 6" 40 cal. R. F.; 4 3" 50 cal. R. F.; 4 6-pdr. saluting.	.....	44	661
5 Indiana (1).....	4 13" 35 cal. B. L. R.; 8 8" 35 cal. B. L. R.; 12 3" 50 cal. R. F.; 4 6-pdr. saluting.	.....	41	646
6 Iowa (4).....	4 12" 35 cal. B. L. R.; 8 8" 35 cal. B. L. R.; 10 4" 40 cal. R. F.; 4 6-pdr. saluting.	.....	42	651
7 Kansas (21).....	4 12" 45 cal. B. L. R.; 8 8" 45 cal. B. L. R.; 12 7" 45 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 6-pdr. saluting.	4 21", submerged.....	56	908
8 Kearsarge (5).....	4 13" 35 cal. B. L. R.; 14 8" 35 cal. B. L. R.; 18 5" 40 cal. R. F.; 4 6-pdr. saluting.	1 15", above water.....	45	693
9 Kentucky (6).....	4 13" 35 cal. B. L. R.; 14 8" 35 cal. B. L. R.; 18 5" 40 cal. R. F.; 4 6-pdr. saluting.	.....	45	693

<sup>1</sup> When acting as flagship of fleet, complement is increased by 13 officers and 52 men; and when acting as division flagship, by 3 officers and 24 men.

<sup>2</sup> 4 8" in superposed turrets.



Table 17.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

SECOND LINE—Continued.

	Names and official No.	Batteries.		Officers.	Men.
		Guns.	Torpedo tubes.		
10	Louisiana (19).....	4 12'' 45 cal. B. L. R.; 8 8'' 45 cal. B. L. R.; 12 7'' 45 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 6-pdr. saluting.	4 21'', submerged.....	1 56	911
11	Maine (10).....	4 12'' 40 cal. B. L. R.; 16 6'' 50 cal. B. L. R.; 6 3'' 50 cal. R. F.; 4 3-pdr. saluting.	2 18'', submerged.....	46	757
12	Massachusetts (2).....	4 12'' 35 cal. B. L. R.; 8 8'' 35 cal. B. L. R.; 12 3'' 50 cal. R. F.; 4 6-pdr. saluting.	.....	41	646
13	Michigan (27).....	8 12'' 45 cal. B. L. R.; 22 3'' 50 cal. R. F.; 4 3-pdr. saluting.	2 21'', submerged.....	50	759
14	Minnesota (22).....	4 12'' 45 cal. B. L. R.; 8 8'' 45 cal. B. L. R.; 12 7'' 45 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 6-pdr. saluting.	4 21'', submerged.....	1 56	908
15	Missouri (11).....	4 12'' 40 cal. B. L. R.; 16 6'' 50 cal. B. L. R.; 6 3'' 50 cal. R. F.; 4 3-pdr. saluting.	2 18'', submerged.....	46	757
16	Nebraska (14).....	4 12'' 40 cal. B. L. R.; 1 8 8'' 45 cal. B. L. R.; 12 6'' 50 cal. B. L. R.; 12 3'' 50 cal. R. F.; 4 6-pdr. saluting.	4 21'', submerged.....	56	864
17	New Hampshire (25).....	4 12'' 45 cal. B. L. R.; 8 8'' 45 cal. B. L. R.; 12 7'' 45 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 6-pdr. saluting.	4 21'', submerged.....	56	906
18	New Jersey (16).....	4 12'' 40 cal. B. L. R.; 1 8 8'' 45 cal. B. L. R.; 12 6'' 50 cal. B. L. R.; 12 3'' 50 cal. R. F.; 3 3-pdr. saluting.	4 21'', submerged.....	56	861
19	Ohio (12).....	4 12'' 40 cal. B. L. R.; 16 6'' 50 cal. B. L. R.; 6 3'' 50 cal. R. F.; 4 6-pdr. saluting.	2 18'', submerged.....	1 46	756
20	Oregon (3).....	4 13'' 35 cal. B. L. R.; 8 8'' 35 cal. B. L. R.; 12 3'' 50 cal. R. F.; 4 6-pdr. saluting.	.....	41	644
21	Rhode Island (17).....	4 12'' 40 cal. B. L. R.; 1 8 8'' 45 cal. B. L. R.; 12 6'' 50 cal. B. L. R.; 12 3'' 50 cal. R. F.; 4 6-pdr. saluting.	4 21'', submerged.....	56	861
22	South Carolina (26).....	8 12'' 45 cal. B. L. R.; 22 3'' 50 cal. R. F.; 2 3-pdr. saluting.	2 21'', submerged.....	50	759
23	Vermont (20).....	4 12'' 45 cal. B. L. R.; 8 8'' 45 cal. B. L. R.; 12 7'' 45 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 6-pdr. saluting.	4 21'', submerged.....	56	907
24	Virginia (13).....	4 12'' 40 cal. B. L. R.; 1 8 8'' 45 cal. B. L. R.; 12 6'' 50 cal. B. L. R.; 12 3'' 50 cal. R. F.; 4 6-pdr. saluting.	4 21'', submerged.....	56	861
25	Wisconsin (9).....	4 13'' 35 cal. B. L. R.; 14 6'' 40 cal. R. F.; 4 3'' 50 cal. R. F.; 4 6-pdr. saluting.	.....	44	661

<sup>1</sup> When acting as flagship of fleet, complement is increased by 13 officers and 52 men; and when acting as division flagship, by 3 officers and 24 men.

Table 17.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

## ARMORED CRUISERS.

	Names and official No.	Batteries.		Offi- cers.	Men.
		Guns.	Torpedo tubes.		
1	Colorado (7).....	4 8'' 45 cal. B. L. R.; 14 6'' 50 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 3-pdr. saluting.	2 18''.....	49	844
2	Maryland (8).....	4 8'' 45 cal. B. L. R.; 14 6'' 50 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 3-pdr. saluting.	2 18''.....	49	842
3	Montana (13).....	4 10'' 40 cal. B. L. R.; 16 6'' 50 cal. B. L. R.; 22 3'' 50 cal. R. F.; 4 6-pdr. saluting.	3 21''.....	50	906
4	North Carolina (12)....	4 10'' 40 cal. B. L. R.; 16 6'' 50 cal. B. L. R.; 22 3'' 50 cal. R. F.; 4 6-pdr. saluting.	4 21''.....	50	906
5	Pittsburgh (4).....	4 8'' 45 cal. B. L. R.; 14 6'' 50 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 3-pdr. saluting.	2 18''.....	49	842
6	San Diego.....	4 8'' 45 cal. B. L. R.; 14 6'' 50 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 3-pdr. saluting.	2 18''.....	<sup>1</sup> 49	842
7	South Dakota (9).....	4 8'' 45 cal. B. L. R.; 14 6'' 50 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 3-pdr. saluting.	2 18''.....	49	842
8	Tennessee (10).....	4 10'' 40 cal. B. L. R.; 16 6'' 50 cal. B. L. R.; 22 3'' 50 cal. R. F.; 4 3-pdr. saluting.	4 21''.....	<sup>1</sup> 50	906
9	Washington (11).....	4 10'' 40 cal. B. L. R.; 16 6'' 50 cal. B. L. R.; 22 3'' 50 cal. R. F.; 4 3-pdr. saluting.	4 21''.....	50	906
10	West Virginia (5).....	4 8'' 45 cal. B. L. R.; 14 6'' 50 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 3-pdr. saluting.	2 18''.....	<sup>1</sup> 49	842

## CRUISERS, FIRST CLASS.

1	Brooklyn (3).....	8 8'' 35 cal. B. L. R.; 12 5'' 40 cal. R. F.; 4 6-pdr. saluting.	.....	30	538
2	Charleston (22).....	14 6'' 50 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 3-pdr. saluting.	.....	30	697
3	Milwaukee (21).....	14 6'' 50 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 3-pdr. saluting.	.....	30	697
4	Saratoga (2).....	4 8'' 45 cal. B. L. R.; 10 5'' 50 cal. B. L. R.; 8 3'' 50 cal. R. F.; 4 3-pdr. saluting.	.....	29	<sup>1</sup> 483
5	St. Louis (20).....	14 6'' 50 cal. B. L. R.; 18 3'' 50 cal. R. F.; 4 3-pdr. saluting.	.....	30	697

## CRUISERS, SECOND CLASS.

1	Chicago.....	14 5'' 40 cal. R. F.; 9 6-pdr. R. F.; added temporarily 4 4'' 40 cal. R. F.; 2 3-pdr. R. F.	.....	25	376
2	Columbia (12).....	3 6'' 45 cal. R. F.; 8 4'' 40 cal. R. F.; 2 6-pdr. saluting.	.....	24	350
3	Minneapolis (13).....	3 6'' 45 cal. R. F.; 8 4'' 40 cal. R. F.; 2 6-pdr. saluting.	.....	24	350
4	Olympia (6).....	4 8'' 35 cal. B. L. R.; 10 5'' 40 cal. R. F.; 4 6-pdr. R. F.	.....	25	392

<sup>1</sup> When acting as flagship of fleet complement is increased by 13 officers and 52 men, and when acting a division flagship by 3 officers and 24 men.

Table 17.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

## CRUISERS, THIRD CLASS.

	Names and official No.	Batteries.		Officers.	Men.
		Guns.	Torpedo tubes.		
1	Albany.....	105'' 50 cal. B. L. R.; 33-pdr. R. F.	.....	18	300
2	Birmingham (2).....	2 5'' 50 cal. B. L. R.; 6 3'' 50 cal. R. F.; 23-pdr. R. F.	2 21'', submerged.....	18	351
3	Boston.....	2 8'' 30 cal. B. L. R.; 3 6'' 30 cal. R. F.; 1 4'' 40 cal. R. F.; 6 6-pdr. R. F.	.....	18	251
4	Chattanooga (16).....	105'' 50 cal. B. L. R.; 86-pdr. R. F.	.....	18	274
5	Chester (1).....	2 5'' 50 cal. B. L. R.; 6 3'' 50 cal. R. F.; 23-pdr. R. F.	2 21'', submerged.....	18	351
6	Cincinnati (7).....	11 5'' 40 cal. R. F.; 6 6-pdr. R. F.	.....	18	256
7	Cleveland (19).....	105'' 50 cal. B. L. R.; 86-pdr. R. F.	.....	18	274
8	Denver (14).....	105'' 50 cal. B. L. R.; 86-pdr. R. F.	.....	18	275
9	Des Moines (15).....	105'' 50 cal. B. L. R.; 86-pdr. R. F.	.....	18	274
10	Galveston (17).....	105'' 50 cal. B. L. R.; 86-pdr. R. F.	.....	18	274
11	Marblehead (11).....	8 5'' 40 cal. R. F.; 4 6-pdr. R. F.; added temporarily 2 4'' 40 cal. R. F.; 23-pdr. R. F.	.....	18	239
12	New Orleans.....	105'' 50 cal. B. L. R.; 23-pdr. R. F.	.....	18	300
13	Raleigh (8).....	11 5'' 40 cal. R. F.; 6 6-pdr. R. F.	.....	18	256
14	Salem (3).....	2 5'' 50 cal. B. L. R.; 6 3'' 50 cal. R. F.; 2-pdr. R. F.	2 21'', submerged.....	18	351
15	Tacoma (18).....	105'' 50 cal. B. L. R.; 86-pdr. R. F.	.....	18	274

## MONITORS.

1	Amphitrite.....	4 10'' 30 cal. B. L. R.; 2 4'' 40 cal. R. F.; 23-pdr. R. F.	.....	19	209
2	Cheyenne (10).....	2 12'' 40 cal. B. L. R.; 4 4'' 50 cal. R. F.; 26-pdr. R. F.	.....	18	210
3	Miantonomoh.....	4 10'' 30 cal. B. L. R.; 26-pdr. R. F.	.....	19	210
4	Monadnock.....	4 10'' 30 cal. B. L. R.; 2 4'' 40 cal. R. F.; 5 6-pdr. R. F.	.....	19	209
5	Monterey.....	2 12'' 35 cal. B. L. R.; 2 10'' 30 cal. B. L. R.; 6 6-pdr. R. F.	.....	19	210
6	Ozark (7).....	2 12'' 40 cal. B. L. R.; 4 4'' 50 cal. R. F.; 26-pdr. R. F.	.....	18	209
7	Tallahassee (9).....	2 12'' 40 cal. B. L. R.; 4 4'' 50 cal. R. F.; 3 6-pdr. R. F.; 4 4'' 40 cal. R. F.	.....	18	209
8	Terror.....	4 10'' 30 cal. B. L. R.; 26-pdr. R. F.	.....	19	210
9	Tonopah (8).....	2 12'' 40 cal. B. L. R.; 4 4'' 50 cal. R. F.; 26-pdr. R. F.	.....	18	210

## DESTROYERS.

1	Allen (66).....	4 4'' 50 cal. R. F.	4 triple 21''.....	.....	.....
2	Ammen (35).....	5 3'' 50 cal. R. F.	3 twin 18''.....	4	74
3	Aylwin (47).....	4 4'' 50 cal. R. F.	4 twin 18''.....	5	77
4	Bainbridge (1).....	2 3'' 50 cal. R. F.; 5 6-pdr. R. F.	2 18''.....	3	72
5	Balch (50).....	4 4'' 50 cal. R. F.	4 twin 18''.....	5	77
6	Barry (2).....	2 3'' 50 cal. R. F.; 5 6-pdr. R. F.	2 18''.....	3	72
7	Beale (40).....	5 3'' 50 cal. R. F.	3 twin 18''.....	4	74
8	Benham (49).....	4 4'' 50 cal. R. F.	4 twin 18''.....	5	77
9	Burrows (29).....	5 3'' 50 cal. R. F.	3 twin 18''.....	4	74
10	Cassin (43).....	4 4'' 50 cal. R. F.	4 twin 18''.....	5	77
11	Chauncey (3).....	2 3'' 50 cal. R. F.; 5 6-pdr. R. F.	2 18''.....	3	72
12	Conyngham (58).....	4 4'' 50 cal. R. F.	4 twin 21''.....	5	77
13	Cummings (44).....	4 4'' 50 cal. R. F.	4 twin 18''.....	5	77
14	Cushing (55).....	4 4'' 50 cal. R. F.	4 twin 18''.....	5	77
15	Dale (4).....	2 3'' 50 cal. R. F.; 5 6-pdr. R. F.	2 18''.....	3	72
16	Davis (65).....	4 4'' 50 cal. R. F.	4 triple 21''.....	.....	.....
17	Decatur (5).....	2 3'' 50 cal. R. F.; 5 6-pdr. R. F.	2 18''.....	3	72
18	Downes (45).....	4 4'' 50 cal. R. F.	4 twin 18''.....	5	77
19	Drayton (23).....	5 3'' 50 cal. R. F.	3 twin 18''.....	4	74
20	Duncan ( ).....	4 4'' 50 cal. R. F.	4 twin 18''.....	5	77
21	Ericsson (56).....	4 4'' 50 cal. R. F.	4 twin 18''.....	5	77
22	Fanning (37).....	5 3'' 50 cal. R. F.	3 twin 18''.....	4	74
23	Flusser (20).....	5 3'' 50 cal. R. F.	3 twin 18''.....	4	74
24	Henley (39).....	5 3'' 50 cal. R. F.	3 twin 18''.....	4	74
25	Hopkins (6).....	2 3'' 50 cal. R. F.; 6 6-pdr. R. F.	2 18''.....	3	72
26	Hull (7).....	2 3'' 50 cal. R. F.; 6 6-pdr. R. F.	2 18''.....	3	72



Table 17.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

## DESTROYERS—Continued.

	Names and official No.	Batteries.		Officers.	Men.
		Guns.	Torpedo tubes.		
27	Jacob Jones (61).....	4 4'' 50 cal. R. F.....	4 twin 21''.....	5	77
28	Jarvis (38).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
29	Jenkins (42).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
30	Jouett (41).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
31	Lamson (18).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
32	Lawrence (8).....	7 6-pdr. R. F.....	2 18''.....	3	72
33	Mayrant (31).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
34	McCall (28).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
35	McDougal (54).....	4 4'' 50 cal. R. F.....	4 twin 18''.....	5	77
36	Macdonough (9).....	7 6-pdr. R. F.....	2 18''.....	3	72
37	Monaghan (32).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
38	Nicholson (52).....	4 4'' 50 cal. R. F.....	4 twin 18''.....	5	77
39	O'Brien (51).....	4 4'' 50 cal. R. F.....	4 twin 18''.....	5	77
40	Parker (48).....	4 4'' 50 cal. R. F.....	4 twin 18''.....	5	77
41	Patterson (36).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
42	Paulding (22).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
43	Paul Jones (10).....	2 3'' 50 cal. R. F.; 5 6-pdr. R. F.....	2 18''.....	3	72
44	Perkins (26).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
45	Perry (11).....	2 3'' 50 cal. R. F.; 5 6-pdr. R. F.....	2 18''.....	3	72
46	Porter (59).....	4 4'' 50 cal. R. F.....	4 twin 21''.....	5	77
47	Preble (12).....	2 3'' 50 cal. R. F.; 5 6-pdr. R. F.....	2 18''.....	3	72
48	Preston (19).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
49	Reid (21).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
50	Roe (24).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
51	Rowan.....	4 4'' 50 cal. R. F.....	4 triple 21''.....	.....	.....
52	Samson.....	4 4'' 50 cal. R. F.....	4 triple 21''.....	.....	.....
53	Shaw.....	4 4'' 50 cal. R. F.....	4 triple 21''.....	.....	.....
54	Smith (17).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
55	Sterrett (27).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
56	Stewart (13).....	2 3'' 50 cal. R. F.; 5 6-pdr. R. F.....	2 18''.....	3	72
57	Terry (25).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
58	Tripp (33).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
59	Truxtun (14).....	2 3'' 50 cal. R. F.; 6 6-pdr. R. F.....	2 18''.....	3	72
60	Tucker (57).....	4 4'' 50 cal. R. F.....	4 twin 21''.....	5	77
61	Wadsworth (60).....	4 4'' 50 cal. R. F.....	4 twin 21''.....	.....	77
62	Wainwright (62).....	4 4'' 50 cal. R. F.....	4 twin 21''.....	.....	77
63	Walke (34).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
64	Warrington (30).....	5 3'' 50 cal. R. F.....	3 twin 18''.....	4	74
65	Whipple (15).....	2 3'' 50 cal. R. F.; 6 6-pdr. R. F.....	2 18''.....	3	72
66	Wilkes.....	4 4'' 50 cal. R. F.....	4 triple 21''.....	.....	.....
67	Winslow (53).....	4 4'' 50 cal. R. F.....	4 twin 18''.....	5	77
68	Worden (16).....	2 3'' 50 cal. R. F.; 6 6-pdr. R. F.....	2 18''.....	3	72
69	Destroyer.....	.....	.....	.....	.....
70	.....do.....	.....	.....	.....	.....
71	.....do.....	.....	.....	.....	.....
72	.....do.....	.....	.....	.....	.....
73	.....do.....	.....	.....	.....	.....
74	.....do.....	.....	.....	.....	.....

## TORPEDO BOATS.

1	Bagley (24).....	3 1-pdr. R. F.....	3 18'' Whitehead, long....	2	26
2	Bailey (21).....	4 6-pdr. R. F.....	2 18'' Whitehead.....	3	56
3	Barney (25).....	3 1-pdr. R. F.....	3 18'' Whitehead, long....	2	27
4	Biddle (26).....	3 1-pdr. R. F.....	3 18'' Whitehead, long....	2	26
5	Blakely (27).....	3 1-pdr. R. F.....	3 18'' Whitehead, long....	2	26
6	Dahlgren (9).....	4 1-pdr. R. F.....	2 18'' Whitehead, long....	2	26
7	De Long (28).....	3 1-pdr. R. F.....	3 18'' Whitehead, long....	2	26
8	Dupont (7).....	4 1-pdr. R. F.....	3 18'' Whitehead, long....	2	26
9	Farragut (11).....	4 6-pdr. R. F.....	2 18'' Whitehead.....	2	62
10	Foots (3).....	3 1-pdr. R. F.....	2 18'' Whitehead, long....	2	26
11	Fox (13).....	3 1-pdr. R. F.....	3 18'' Whitehead, long....	2	26
12	Goldsborough (20).....	4 6-pdr. R. F.....	2 18'' Whitehead, long....	3	62
13	Mackenzie (17).....	1 1-pdr. R. F.....	2 18'' Whitehead.....	2	13
14	Morris (14).....	3 1-pdr. R. F.....	3 18'' Whitehead, long....	2	21
15	Rodgers (4).....	3 1-pdr. R. F.....	3 18'' Whitehead, long....	2	26
16	Shubrick (31).....	3 1-pdr. R. F.....	3 18'' Whitehead, long....	2	26
17	Somers (22).....	.....	.....	.....	21
18	Thornton (33).....	3 1-pdr. R. F.....	3 18'' Whitehead, long....	2	26
19	Tingey (34).....	3 1-pdr. R. F.....	3 18'' Whitehead, long....	2	26

Table 17.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

## GUNBOATS.

	Names and official No.	Batteries.		Officers.	Men.
		Guns.	Torpedo tubes.		
1	Annapolis (10).....	6 4" 40 cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr.	.....	8	154
2	Callao.....	4 3-pdr. R. F.	.....	2	29
3	Castine (6).....	2 4" R. F.; 6 6-pdr. R. F.	.....	.....	.....
4	Concord (3).....	3 6" 30 cal. R. F.; 1 4" 40 cal. R. F.; 4 3-pdr. R. F.	.....	.....	.....
5	Dolphin.....	6 6-pdr. R. F.	.....	8	144
6	Don Juan de Austria..	2 4" 40 cal. R. F.; 8 6-pdr. R. F.; 2 1-pdr. R. F.; added temporarily, 2 3-pdr.	.....	8	135
7	Dubuque (17).....	6 4" 40 cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.	.....	8	122
8	Elcano.....	4 4" 40 cal. R. F.; 4 3-pdr. R. F.	.....	6	95
9	Helena (9).....	8 4" 40 cal. R. F.; 4 3-pdr. R. F.	.....	10	165
10	Isla de Luzon.....	4 4" cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.; added temporarily, 2 3-pdr. R. F.	.....	8	135
11	Machias (5).....	8 4" 40 cal. R. F.; 2 6-pdr. R. F.; 2 1-pdr. R. F.; added temporarily, 2 3-pdr. R. F.	.....	10	122
12	Marietta (15).....	6 4" 40 cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.	.....	8	122
13	Monocacy (20).....	2 6-pdr. R. F.; 6 auto. machinerifles	.....	2	45
14	Nashville (7).....	8 4" 40 cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.	.....	8	169
15	Newport (12).....	.....	.....	8	135
16	Paducah (18).....	6 4" 40 cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.	.....	8	145
17	Palos (16).....	2 6-pdr. R. F.; 6 auto. machinerifles.	.....	2	45
18	Pampanga.....	4 3-pdr. R. F.; 2 1-pdr. R. F.	.....	2	29
19	Petrel (2).....	4 4" 40 cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.	.....	8	122
20	Princeton (13).....	6 4" 40 cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.	.....	8	135
21	Quiros.....	4 3-pdr. R. F.	.....	3	54
22	Ranger.....	.....	.....	8	131
23	Sacramento (19).....	3 4" 50 cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.	.....	8	150
24	Samar.....	4 3-pdr. R. F.; 2 1-pdr. R. F.	.....	2	29
25	Sandoval.....	2 3-pdr. R. F.; 2 1-pdr. R. F.	.....	2	20
26	Vicksburg (11).....	6 4" 40 cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.	.....	8	152
27	Villalobos.....	4 3-pdr. R. F.; 2 1-pdr. R. F.	.....	3	54
28	Wheeling (14).....	6 4" 40 cal. R. F.; 4 3-pdr. R. F.; 2 1-pdr. R. F.	.....	8	122
29	Wilmington (8).....	8 4" 40 cal. R. F.; 4 3-pdr. R. F.	.....	10	165
30	Yorktown (1).....	6 5" 40 cal. R. F.; 4 3-pdr. R. F.; 4 1-pdr. R. F.	.....	8	163

Table 18.—SUMMARY OF VESSELS IN THE UNITED STATES NAVY JULY 1, 1915, BY TYPES.

Type.	Fit for service, including those under repair.		Under con- struction.		Authorized.		Total.	
	Num- ber.	Displace- ment.	Num- ber.	Displace- ment.	Num- ber.	Approxi- mate displace- ment.	Num- ber.	Displace- ment.
		<i>Tons.</i>		<i>Tons.</i>		<i>Tons.</i>		<i>Tons.</i>
Battleships, first line.....	8	189,650	7	213,800	2	64,000	17	467,450
Battleships, second line.....	25	340,146					25	340,146
Cruisers, armored.....	10	140,080					10	140,080
Cruisers, first class.....	5	46,465					5	46,465
Cruisers, second class.....	4	25,065					4	25,065
Cruisers, third class.....	15	48,748					15	48,748
Monitors.....	9	32,944					9	32,944
Destroyers.....	53	37,167	15	16,442	6	6,750	74	60,359
Torpedo boats.....	19	3,365					19	3,365
Submarines.....	36	12,338	22	11,839	18	( <sup>1</sup> )	76	<sup>2</sup> 24,177
Tenders for torpedo vessels.....	7	20,892	2	10,730			9	31,622
Gunboats.....	30	27,890					30	27,890
Transports.....	5	26,595	1	10,000			6	36,595
Supply ships.....	4	25,400	1	8,500			5	33,900
Hospital ships.....	2	9,000					2	9,000
Fuel ships.....	23	251,581	2	29,000			25	280,581
Converted yachts.....	16	9,476					16	9,476
Tugs.....	45	18,024					45	18,024
Special type.....	8	43,333					8	43,333
Unserviceable for war purposes.....	19	43,976					19	43,976
Total.....	343	1,352,135	50	300,311	26	<sup>2</sup> 70,750	419	<sup>2</sup> 1,723,196

<sup>1</sup> Undetermined.<sup>2</sup> Except 18 new submarines.

Table 19.—AGES OF UNITED STATES BATTLESHIPS FROM DATES OF FIRST COMMISSION.

Name.	Date of first commission.	Age by years.	Name.	Date of first commission.	Age by years.
Alabama.....	Oct. 16, 1900	16	Mississippi.....		
Arizona.....			Missouri.....	Dec. 1, 1903	13
Arkansas.....	Sept. 17, 1912	4	Nebraska.....	July 1, 1907	9
California.....			New Hampshire.....	Mar. 19, 1908	8
Connecticut.....	Sept. 29, 1906	10	New Jersey.....	May 12, 1906	10
Delaware.....	Apr. 4, 1910	6	New York.....	Apr. 15, 1914	2
Florida.....	Sept. 15, 1911	5	Nevada.....		
Georgia.....	Sept. 24, 1906	10	North Dakota.....	Apr. 11, 1910	6
Idaho.....			Ohio.....	Oct. 4, 1904	12
Illinois.....	Sept. 16, 1901	15	Oklahoma.....		
Indiana.....	Nov. 20, 1895	21	Oregon.....	July 15, 1896	20
Iowa.....	June 16, 1897	19	Pennsylvania.....		
Kansas.....	Apr. 18, 1907	9	Rhode Island.....	Feb. 19, 1906	10
Kearsarge.....	Feb. 20, 1900	16	South Carolina.....	Mar. 1, 1910	6
Kentucky.....	May 15, 1900	16	Texas.....	Mar. 12, 1914	2
Louisiana.....	June 2, 1906	10	Utah.....	Aug. 31, 1911	5
Maine.....	Dec. 29, 1902	14	Vermont.....	Mar. 4, 1907	9
Massachusetts.....	June 10, 1896	20	Virginia.....	May 7, 1906	10
Michigan.....	Jan. 4, 1910	6	Wisconsin.....	Feb. 4, 1901	15
Minnesota.....	Mar. 9, 1907	9	Wyoming.....	Sept. 25, 1912	4



Table 20.—VESSELS UNDER CONSTRUCTION, UNITED STATES NAVY.

[Navy Department, Bureau of Construction and Repair, Nov. 10, 1915.]

Name, type, and number of vessel.	Contractor.	Per cent of completion.			
		Nov. 1, 1915.		Oct. 1, 1915.	
		Total.	On ship.	Total.	On ship.
BATTLESHIPS.					
36. Nevada.....	Fore River Shipbuilding Co.....	97.4	97.3	96.4	96.2
37. Oklahoma.....	New York Shipbuilding Co.....	98.2	98.2	98.1	98.1
38. Pennsylvania.....	Newport News Shipbuilding Co.....	90.4	88.1	88.2	86.0
39. Arizona.....	New York Navy Yard.....	74.6	72.5	71.7	69.4
40. California.....	do.....				
41. Mississippi.....	Newport News Shipbuilding Co.....	33.1	17.4	30.4	15.0
42. Idaho.....	New York Shipbuilding Co.....	45.1	35.3	41.6	30.4
DESTROYERS.					
57. Tucker.....	Fore River Shipbuilding Corporation...	85.7	84.7	84.5	83.0
58. Conyngham.....	Wm. Cramp & Sons.....	88.4	87.6	85.8	84.8
59. Porter.....	do.....	85.3	84.5	84.7	83.6
61. Jacob Jones.....	New York Shipbuilding Co.....	92.2	92.2	90.4	90.4
62. Wainwright.....	do.....	91.5	91.5	89.8	89.8
63. Sampson.....	Fore River Shipbuilding Corporation...	65.1	60.5	56.8	50.9
64. Rowan.....	do.....	57.5	51.5	52.0	45.3
65. Davis.....	Bath Iron Works.....	57.3	54.0	52.1	48.9
66. Allen.....	do.....	53.8	50.0	46.0	42.1
67. Wilkes.....	Wm. Cramp & Sons.....	34.1	28.6	29.9	23.7
68. Shaw.....	Mare Island Navy Yard.....	12.5	7.8	8.5	6.2
69.....	do.....				
70.....	Norfolk Navy Yard.....				
71.....	Seattle Construction & Dry Dock Co.....				
72.....	Wm. Cramp & Sons.....				
73.....	do.....				
74.....	Bath Iron Works.....				
DESTROYER TENDERS.					
2. Melville.....	New York Shipbuilding Co.....	99.8	99.8	99.8	99.8
SUBMARINE TENDERS.					
2. Bushnell.....	Seattle Construction & Dry Dock Co.....	98.7	98.5	97.9	97.6
FUEL SHIPS.					
4. Maumee.....	Mare Island Navy Yard.....	96.8	96.5	96.2	95.8
5. Cuyama.....	do.....	8.1			
MISCELLANEOUS.					
Supply Ship No. 1.....	Boston Navy Yard.....	31.1	28.5	26.3	23.9
Transport No. 1.....	Philadelphia Navy Yard.....	36.1	33.0	33.9	0.4
SUBMARINES.					
27. G-2 <sup>1</sup> .....	Lake Torpedo Boat Co. (Bridgeport)....	89.7	89.7	89.7	89.7
31. G-3 <sup>1</sup> .....	do.....	88.6	88.4	88.6	88.4
40. L-1.....	Electric Boat Co. (Quincy).....	98.9	98.9	98.9	98.9
41. L-2.....	do.....	98.6	98.5	98.4	98.4
42. L-3.....	do.....	98.1	98.1	98.1	98.1
43. L-4.....	do.....	98.1	98.1	98.1	98.1
44. L-5.....	Lake Torpedo Boat Co. (Bridgeport)....	81.0	74.5	79.6	73.8
45. L-6.....	Lake Torpedo Boat Co. (Long Beach, Cal.).....	70.1	67.1	68.5	65.4
46. L-7.....	do.....	67.4	63.7	66.0	62.2
47. M-1.....	Electric Boat Co. (Quincy).....	88.7	88.4	87.4	87.1
48. L-8.....	Portsmouth, N. H., Navy Yard.....	56.2	53.7	51.2	50.7
49. L-9.....	Electric Boat Co. (Quincy).....	86.4	84.7	80.0	75.9
50. L-10.....	do.....	83.9	80.4	79.5	74.2
51. L-11.....	do.....	80.3	75.1	74.8	68.3
52. Schley.....	do.....				
53. N-1.....	Electric Boat Co. (Seattle).....	34.3	28.8	23.8	18.9
54. N-2.....	do.....	34.3	28.8	23.8	18.9
55. N-3.....	do.....	34.3	28.8	23.8	18.9
56. N-4.....	Lake Torpedo Boat Co. (Bridgeport)....	44.0	36.2	38.3	33.6
57. N-5.....	do.....	41.9	35.3	37.2	32.8

<sup>1</sup> Contracts forfeited; vessels being completed New York yard.

Table 20.—VESSELS UNDER CONSTRUCTION, UNITED STATES NAVY—  
Continued.

Name, type, and number of vessel.	Contractor.	Per cent of completion.			
		Nov. 1, 1915.		Oct. 1, 1915.	
		Total.	On ship.	Total.	On ship.
SUBMARINES—continued.					
58. N-6.....	Lake Torpedo Boat Co. (Bridgeport)....	40.0	33.4	35.4	31.0
59. N-7.....	do.....	40.4	33.7	35.4	30.9
62.....	Portsmouth, N. H., Navy Yard.....				
63.....	Puget Sound Navy Yard.....				
64.....	Electric Boat Co. (Quincy).....				
65.....	do.....				
66.....	do.....				
67.....	do.....				
68.....	do.....				
69.....	do.....				
70.....	do.....				
71.....	do.....				
72.....	Lake Torpedo Boat Co. (Bridgeport)....				
73.....	do.....				
74.....	do.....				
75.....	California Shipbuilding Co. (Long Beach, Cal.).....				
76.....	do.....				
77.....	do.....				

Table 21.—TIME REQUIRED TO BUILD BATTLESHIPS IN THE UNITED STATES.

Names.	Authorized.	Date of order or contract.	Keel laid.	Date of first commission.	Time from order or contract to first commission.	Time from laying of keel to first commission.
					<i>Yrs. mos.</i>	<i>Yrs. mos.</i>
Wisconsin.....	June 10, 1896	Sept. 19, 1896	Feb. 9, 1897	Feb. 4, 1901	4 5	4 0
Illinois.....	.....do.....	Sept. 26, 1896	Feb. 10, 1897	Sept. 16, 1901	5 0	4 7
Maine.....	May 4, 1898	Oct. 1, 1898	Feb. 15, 1899	Dec. 29, 1902	4 2	3 10
Missouri.....	.....do.....	Dec. 30, 1898	Feb. 7, 1900	Dec. 1, 1903	5 0	3 10
Ohio.....	.....do.....	Oct. 5, 1898	Apr. 22, 1899	Oct. 4, 1904	6 0	5 6
Rhode Island.....	June 7, 1900	Feb. 15, 1901	May 1, 1902	Feb. 19, 1906	5 0	3 9
Virginia.....	Mar. 3, 1899	.....do.....	May 21, 1902	May 7, 1906	5 3	4 0
New Jersey.....	June 7, 1900	.....do.....	Apr. 2, 1902	May 12, 1906	5 3	4 1
Louisiana.....	July 1, 1902	Oct. 15, 1902	Feb. 7, 1903	June 2, 1906	3 8	3 4
Georgia.....	Mar. 3, 1899	Feb. 18, 1901	Aug. 31, 1901	Sept. 24, 1906	5 7	5 1
Connecticut.....	July 1, 1902	Oct. 15, 1902	Mar. 10, 1903	Sept. 29, 1906	3 11	3 6
Vermont.....	Mar. 3, 1903	June 20, 1903	May 21, 1904	Mar. 4, 1907	3 9	2 10
Minnesota.....	.....do.....	.....do.....	Oct. 27, 1903	Mar. 9, 1907	3 9	3 5
Kansas.....	.....do.....	June 16, 1903	Feb. 10, 1904	Apr. 18, 1907	3 10	3 2
Nebraska.....	Mar. 3, 1899	Mar. 7, 1901	July 4, 1902	July 1, 1907	6 4	5 0
New Hampshire.....	Apr. 27, 1904	Dec. 27, 1904	May 1, 1905	Mar. 19, 1908	3 3	2 10
Michigan.....	Mar. 3, 1905	July 20, 1906	Dec. 17, 1906	Jan. 4, 1910	3 6	3 1
South Carolina.....	.....do.....	July 21, 1906	Dec. 18, 1906	Mar. 1, 1910	3 8	3 3
Delaware.....	June 29, 1906	Aug. 6, 1907	Nov. 11, 1907	Apr. 4, 1910	2 8	2 5
North Dakota.....	Mar. 2, 1907	.....do.....	Dec. 16, 1907	Apr. 11, 1910	2 8	2 4
Florida.....	May 13, 1908	Nov. 24, 1908	Mar. 9, 1909	Sept. 15, 1911	2 10	2 6
Utah.....	.....do.....	.....do.....	Mar. 15, 1909	Aug. 31, 1911	2 10	2 6
Arkansas.....	Mar. 3, 1909	Sept. 25, 1909	Jan. 25, 1910	<sup>2</sup> Sept. 17, 1912	3 0	2 8
Wyoming.....	.....do.....	Oct. 14, 1909	Feb. 9, 1910	Sept. 25, 1912	2 11	2 7
New York.....	June 24, 1910	May 1, 1911	Sept. 11, 1911	Apr. 15, 1914	2 11½	2 7
Texas.....	.....do.....	Dec. 17, 1910	Apr. 17, 1911	Mar. 12, 1914	3 3	2 11

<sup>1</sup> Preparation of preliminary plans authorized; construction not authorized until Mar. 2, 1907.

<sup>2</sup> When placed in commission the hull was 98.6 per cent completed and the machinery 93.2 per cent completed.



Table 22.—TIME REQUIRED TO BUILD BATTLESHIPS IN ENGLAND.<sup>1</sup>

Names.	Author- ized.	Date of order or contract.	Keelaid.	Date of first commission.	Time from order or contract to first commis- sion.	Time from laying of keel to first commis- sion.
					Yrs. mos.	Yrs. mos.
Implacable.....	1897	.....	July, 1898	Sept. 10, 1901	.....	3 2
Irresistible.....	1897	.....	Apr. 1898	Feb. 4, 1902	.....	3 10
Bulwark.....	1898	.....	Mar., 1899	Mar. 18, 1902	.....	3 0
London.....	1898	.....	Dec., 1898	June 7, 1902	.....	3 6
Venerable.....	1898	.....	Jan., 1899	Nov. 12, 1902	.....	3 10
Russell.....	1898	.....	Mar., 1899	Feb. 19, 1903	.....	3 11
Exmouth.....	1898	.....	Aug., 1899	June 2, 1903	.....	3 10
Montagu.....	1898	.....	Nov., 1899	July 23, 1903	.....	3 8
Duncan.....	1898	.....	July, 1899	Oct. 8, 1903	.....	4 3
Albemarle.....	1899	.....	Jan., 1900	Nov. 12, 1903	.....	3 10
Cornwallis.....	1899	.....	July, 1899	Feb. 9, 1904	.....	4 7
Queen.....	1900	.....	Mar., 1901	Apr. 7, 1904	.....	3 1
Prince of Wales.....	1900	.....	do.....	May 18, 1904	.....	3 2
Swiftsure.....	1903	.....	Mar., 1902	June 21, 1904	.....	2 3
Triumph.....	1903	.....	do.....	do.....	.....	2 3
King Edward VII.....	1901	.....	do.....	Feb. 7, 1905	.....	2 11
Commonwealth.....	1901	.....	June, 1902	May 9, 1905	.....	2 11
New Zealand.....	1902	.....	Feb., 1903	July 11, 1905	.....	2 5
Dominion.....	1901	.....	May, 1902	Aug. 15, 1905	.....	3 3
Hindustan.....	1902	.....	Oct., 1902	Aug. 22, 1905	.....	2 10
Britannia.....	1903	.....	Feb., 1904	Oct. 2, 1906	.....	2 8
Africa.....	1903	.....	Jan., 1904	Nov. 6, 1906	.....	2 10
Dreadnaught.....	1905	<sup>2</sup> Jan. —, 1905	Oct., 1905	Dec. 11, 1906	<sup>2</sup> 1 11	<sup>2</sup> 1 2
Hibernia.....	1903	.....	Jan., 1904	Jan. 2, 1907	.....	3 0
Agamemnon.....	1904	.....	May, 1905	June 25, 1908	.....	3 1
Lord Nelson.....	1904	.....	do.....	Dec. 1, 1908	.....	3 7
Bellerophon.....	1906	Sept. 12, 1906	Dec., 1906	Feb. 20, 1909	2 5	2 2
Temeraire.....	1906	Sept. 23, 1906	Jan., 1907	May 15, 1909	2 8	2 4
Superb.....	1906	Dec. 26, 1906	Feb., 1907	May 29, 1909	2 5	2 3
St. Vincent.....	1907	Sept. 30, 1907	Dec., 1907	May 3, 1910	2 7	2 4
Collingwood.....	1907	Oct. 1, 1907	Feb., 1908	Apr. 19, 1910	2 6	2 2
Vanguard.....	1907	Dec. 28, 1907	Apr., 1908	Mar. 1, 1910	2 3	1 11
Neptune.....	1908	.....	Jan., 1909	Jan. 11, 1911	.....	2 0
Colossus.....	1909	May —, 1909	July, 1909	July —, 1911	2 2	2 0
Hercules.....	1909	do.....	Aug., 1909	do.....	2 2	1 11
Conquerer.....	1909	.....	Apr., 1910	Mar. —, 1913	.....	2 1
Thunderer.....	1909	.....	do.....	June 15, 1912	.....	2 2
Monarch.....	1909	.....	do.....	Apr. 27, 1912	.....	2 1
King George V.....	1910	.....	Jan., 1911	Nov. 16, 1912	.....	1 10
Centurion.....	.....	.....	do.....	May 22, 1913	.....	2 4
Ajax.....	.....	.....	Feb., 1911	Mar. 1, 1913	.....	2 0
Audacious.....	.....	.....	Mar., 1911	Oct. 21, 1913	.....	2 2
Iron Duke.....	.....	.....	Jan., 1912	Mar. 10, 1914	.....	2 2

<sup>1</sup> Due to the European war, no official information regarding naval matters of the belligerents can be obtained, therefore this table is published as it appeared in the Yearbook for 1914.

<sup>2</sup> Gun mountings ordered about January, 1905. First order for other material July 11, 1905. The ship was not completed when commissioned, as there was expended after that date about \$1,290,000 on her for new construction, changes, and alterations, of which about \$290,000 was spent during the year from Mar. 31, 1907, to Apr. 1, 1908.

Table 23.—WARSHIP TONNAGE OF THE PRINCIPAL NAVAL POWERS.

NUMBER AND DISPLACEMENT OF WARSHIPS, BUILT AND BUILDING, OF 1,500 OR MORE TONS, AND OF TORPEDO CRAFT OF MORE THAN 50 TONS.

[Office of Naval Intelligence, Navy Department, July 1, 1914.\*]

Type of vessel.	Great Britain. <sup>1</sup>				Germany.				United States. <sup>2</sup>				France.				Japan.				Russia.				Italy.				Austria-Hungary.			
	Built.		Building.		Built.		Building.		Built.		Building.		Built.		Building.		Built.		Building.		Built.		Building.		Built.		Building.		Built.		Building.	
	No.	Tons.	No.	Tons (estimated).	No.	Tons.	No.	Tons (estimated).	No.	Tons.	No.	Tons (estimated).	No.	Tons.	No.	Tons (estimated).	No.	Tons.	No.	Tons (estimated).	No.	Tons.	No.	Tons (estimated).	No.	Tons.	No.	Tons (estimated).	No.	Tons.	No.	Tons (estimated).
Battleships (dreadnaught type) <sup>3</sup>	23	423,350	10	421,000	13	285,770	7	187,052	8	189,650	4	117,800	3	63,276	9	216,748	2	41,600	4	122,400	.....	.....	7	159,409	3	62,644	7	157,150	3	60,030	5	118,010
Battleships (pre-dreadnaught) <sup>4</sup>	40	589,383	.....	.....	20	212,800	.....	.....	22	309,282	.....	.....	18	272,675	.....	.....	13	191,380	.....	.....	7	98,750	.....	.....	8	66,100	.....	.....	6	74,013	.....	.....
Coast-defense vessels <sup>5</sup>	.....	.....	.....	.....	2	8,188	.....	.....	4	12,900	.....	.....	1	8,800	.....	.....	2	9,085	.....	.....	2	10,380	.....	.....	.....	.....	.....	.....	6	41,700	.....	.....
Battle cruisers <sup>6</sup>	9	188,270	1	28,500	4	88,740	4	110,175	.....	.....	.....	.....	.....	.....	.....	.....	2	55,000	2	55,000	.....	.....	4	128,000	.....	.....	.....	.....	.....	.....	.....	.....
Armored cruisers	34	408,200	.....	.....	9	94,245	.....	.....	10	140,080	.....	.....	20	201,724	.....	.....	13	138,483	.....	.....	6	63,500	.....	.....	9	74,020	.....	.....	2	13,380	.....	.....
Cruisers <sup>7</sup>	74	382,815	17	67,000	41	159,747	5	21,900	15	75,825	.....	.....	9	46,095	.....	.....	13	67,915	.....	.....	6	52,845	8	53,600	6	18,830	2	4,888	5	13,815	5	21,216
Torpedo boat destroyers	157	125,850	21	21,770	130	67,094	24	14,400	51	35,078	11	11,956	84	35,812	3	2,633	50	20,487	2	1,676	91	36,748	44	53,664	30	16,897	15	14,203	18	9,450	.....	.....
Torpedo boats	49	11,488	.....	.....	.....	.....	.....	.....	13	2,528	.....	.....	135	13,438	.....	.....	27	3,017	.....	.....	14	2,132	.....	.....	68	11,584	2	272	30	6,852	24	5,886
Submarines	75	33,382	22	17,236	27	14,140	18	14,400	30	.....	19	.....	64	27,940	22	14,766	13	2,672	2	1,200	30	6,506	19	13,284	10	5,475	8	5,842	6	1,680	6	5,370
Total tons built and total tons building	.....	2,188,250	.....	555,504	.....	951,713	.....	352,927	.....	765,133	.....	129,756	.....	665,743	.....	234,167	.....	519,640	.....	180,276	.....	270,861	.....	407,957	.....	285,460	.....	212,355	.....	221,526	.....	150,432
Total tons built and building	.....	2,713,750	.....	.....	.....	1,304,640	.....	.....	.....	894,880	.....	.....	.....	899,915	.....	.....	.....	699,916	.....	.....	.....	678,818	.....	.....	.....	497,815	.....	.....	.....	372,008	.....	.....

\* Due to the European war no official information regarding naval matters of the belligerents can be obtained; therefore, this table is published as of July 1, 1914.

<sup>1</sup> Colonial vessels included.

<sup>2</sup> Does not include Idaho and Mississippi, recently sold, or ships of current program for which contracts have not been awarded.

<sup>3</sup> Battleships having a main battery of all big guns (11 inches or more in caliber), except South Carolina and Michigan, which are not considered as dreadnaughts because of low speed.

<sup>4</sup> Battleships of (about) 10,000 or more tons displacement, whose main batteries are of more than one caliber; also U. S. S. South Carolina and Michigan.

<sup>5</sup> Includes smaller battleships and monitors.

<sup>6</sup> Armored cruisers having guns of largest caliber in main battery and capable of taking their place in line of battle with the battleships. They have an increase of speed at the expense of carrying fewer guns in main battery and a decrease in armor protection.

<sup>7</sup> All unarmored warships of more than 1,500 tons are classed as cruisers. Scouts are considered as cruisers in which battery and protection have been sacrificed to secure extreme speed. The word "protected" has been omitted because all cruisers except the smallest and oldest now have protective decks.

<sup>8</sup> Includes 3 submarines authorized in 1913; contract for fourth not yet awarded.

The following vessels are not included in the tables:

Ships over 20 years old from date of launch, unless they have been reconstructed and rearmed within 5 years.

Torpedo craft over 15 years old.

Those not actually begun or ordered, although authorized.

Transport, colliers, repair ships, torpedo depot ships, or other auxiliaries.

Vessels of less than 1,500 tons, except torpedo craft.

Torpedo craft of less than 50 tons.

Vessels undergoing trials are considered as completed.





Table 24.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—GREAT BRITAIN.

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Aug. 1, 1915, see Table 35.]

BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1895.....	Majestic.....	14,900	Four 12-inch; twelve 6-inch.....	17.5
1895.....	Magnificent.....	14,900		17.5
1896.....	Prince George.....	14,900		17.5
1896.....	Victorious.....	14,900		17.5
1897.....	Jupiter.....	14,900		17.0
1897.....	Mars.....	14,900		17.5
1898.....	Hannibal.....	14,900		17.5
1898.....	Cæsar.....	14,900		17.5
1898.....	Illustrious.....	14,900		17.5
1899.....	Canopus.....	12,950		18.25
1900.....	Ocean.....	12,950	Four 12-inch; twelve 6-inch.....	18.25
1900.....	Goliath.....	12,950		18.25
1900.....	Glory.....	12,950		18.25
1902.....	Vengeance.....	12,950		18.25
1901.....	Albion.....	12,950		18.25
1901.....	Formidable.....	15,000		18.0
1902.....	Irresistable.....	15,000		18.0
1901.....	Implacable.....	15,000		18.0
1902.....	London.....	15,000		18.0
1902.....	Venerable.....	15,000		18.0
1902.....	Bulwark.....	15,000	Four 12-inch; twelve 6-inch.....	18.0
1904.....	Prince of Wales.....	15,000		18.0
1904.....	Queen.....	15,000		18.0
1903.....	Duncan.....	14,000		18.9
1903.....	Exmouth.....	14,000		19.0
1903.....	Russell.....	14,000		19.3
1903.....	Albemarle.....	14,000		18.6
1904.....	Cornwallis.....	14,000		18.9
1904.....	Triumph.....	11,985		20.1
1904.....	Swiftsure.....	11,800		20.0
1905.....	King Edward VII.....	16,350	Four 12-inch; four 9.2-inch; ten 6-inch.....	19.0
1905.....	Commonwealth.....	16,350		19.0
1905.....	Dominion.....	16,350		19.3
1905.....	Hindustan.....	16,350		19.0
1905.....	Zealandia.....	16,350		18.6
1906.....	Africa.....	16,350		18.95
1906.....	Britannia.....	16,350		18.72
1906.....	Hibernia.....	16,350		18.1
1908.....	Lord Nelson.....	16,500		18.9
1908.....	Agamemnon.....	16,500		18.7
DREADNAUGHT TYPE.		.		
1906.....	Dreadnaught.....	17,900	Ten 12-inch.....	21.25
1909.....	Superb.....	18,600	Ten 12-inch.....	21.6
1909.....	Temeraire.....	18,600		22.0
1909.....	Bellerophon.....	18,600		21.8
1910.....	St. Vincent.....	19,250		21.9
1910.....	Collingwood.....	19,250		21.5
1910.....	Vanguard.....	19,250		22.1
1911.....	Neptune.....	19,900		21.8
1911.....	Colossus.....	20,000		21.5
1911.....	Hercules.....	20,000		21.5
1912.....	Orion.....	22,500		22.0
1912.....	Conqueror.....	22,500	Ten 13.5-inch.....	23.1
1912.....	Monarch.....	22,500		21.8
1912.....	Thunderer.....	22,500		20.8
1912.....	King George V.....	23,000		21.0
1913.....	Centurion.....	23,000		21.0
1913.....	Ajax.....	23,000		21.0
1913.....	Audacious.....	23,000		21.0
1914.....	Iron Duke.....	25,000		22.0
1914.....	Marlborough.....	25,000		22.0
BUILDING. <sup>1</sup>				
1914.....	Emperor of India.....	25,000	Ten 13.5-inch.....	22.0
1914.....	Benbow.....	25,000		22.0
1914.....	Queen Elizabeth.....	27,500		25.0
1914.....	Warspite.....	27,500		25.0
1915.....	Barham.....	27,500		25.0
1915.....	Valiant.....	27,500		25.0
1915.....	Malaya <sup>2</sup> .....	27,500		25.0

<sup>1</sup> Data for ships building estimated.

<sup>2</sup> Gift of Federated Malay States.

NOTE.—Due to the European war no official information regarding naval matters of the belligerents can be obtained; therefore this table is published as of July 1, 1914.

Table 24.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—GREAT BRITAIN—Continued.

## BATTLESHIPS—Continued.

Completed in—	Name.	Displacement.	Main armament.	Speed.
	BOILING—continued.			
		<i>Tons.</i>		<i>Knots.</i>
1915.....	Royal Sovereign.....	25,750	Eight 15-inch.....	22.0
1915.....	Royal Oak.....	25,750		22.0
1916.....	Ramillies.....	25,750		22.0
1916.....	Resolution.....	25,750		22.0
1916.....	Revenge.....	25,750	Eight 15-inch.....	22.0
1917.....	One Ship.....	27,500		25.0
1917.....	Renown.....	25,750	Eight 15-inch.....	22.0
1917.....	Repulse.....	25,750		
1917.....	Resistance.....	25,750		
	Grand total, 76 battleships...	1,433,735		

## ARMORED CRUISERS.

		<i>Tons.</i>		<i>Knots.</i>
1901.....	Cressy.....	12,000	Two 9.2-inch; twelve 6-inch.....	20.79
1902.....	Sutlej.....	12,000		21.77
1902.....	Bacchante.....	12,000		21.75
1902.....	Hogue.....	12,000		22.0
1902.....	Aboukir.....	12,000	Two 9.2-inch; sixteen 6-inch.....	21.6
1904.....	Euryalus.....	12,000		21.63
1903.....	Drake.....	14,100		23.0
1902.....	Good Hope.....	14,100		23.0
1903.....	King Alfred.....	14,100	Fourteen 6-inch.....	23.46
1903.....	Leviathan.....	14,100		23.2
1903.....	Monmouth.....	9,800		22.5
1903.....	Kent.....	9,800		23.0
1903.....	Essex.....	9,800	Four 7.5-inch; six 6-inch.....	22.8
1903.....	Berwick.....	9,800		23.6
1903.....	Donegal.....	9,800		23.5
1904.....	Cumberland.....	9,800		23.6
1904.....	Lancaster.....	9,800	Six 9.2-inch; ten 6-inch.....	24.0
1904.....	Suffolk.....	9,800		24.7
1904.....	Cornwall.....	9,800		23.6
1905.....	Antrim.....	10,850		23.2
1905.....	Hampshire.....	10,850	Six 9.2-inch; four 7.5-inch.....	23.43
1905.....	Carnarvon.....	10,850		23.37
1905.....	Roxburgh.....	10,850		23.63
1905.....	Devonshire.....	10,850		22.25
1905.....	Argyll.....	10,850	Four 9.2-inch; ten 7.5-inch.....	22.38
1906.....	Duke of Edinburgh.....	13,550		22.84
1906.....	Black Prince.....	13,550		23.65
1907.....	Cochrane.....	13,550		23.29
1907.....	Natal.....	13,550	Eight 12-inch.....	23.33
1907.....	Achilles.....	13,550		23.5
1907.....	Warrior.....	13,550		23.3
1908.....	Shannon.....	14,600		22.49
1908.....	Minotaur.....	14,600	Eight 13.5-inch.....	23.0
1909.....	Defence.....	14,600		23.0
	BATTLE CRUISERS.			
1908.....	Indomitable.....	17,250	Eight 12-inch.....	28.7
1908.....	Infexible.....	17,250		28.0
1908.....	Invincible.....	17,250		28.6
1911.....	Indefatigable.....	18,750		29.13
1911.....	Lion.....	26,350	Eight 12-inch.....	31.7
1912.....	Princess Royal.....	26,350		34.7
1912.....	New Zealand <sup>2</sup> .....	18,800	Eight 12-inch.....	26.5
1913.....	Australia <sup>3</sup> .....	19,200		26.0
1913.....	Queen Mary.....	27,000	Eight 13.5-inch.....	35.7
	BUILDING.			
1914.....	Tiger.....	28,500	Eight 13.5-inch.....	29.0
	Grand total, 44 armored cruisers.	623,500		

<sup>1</sup> Press reports state that these speeds were developed on recent trials.<sup>2</sup> Built for Dominion of New Zealand.<sup>3</sup> Built for Commonwealth of Australia.

**Table 25.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—GERMANY.**

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Aug. 1, 1915, see Table 35.]

**BATTLESHIPS.**

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1898.....	Kaiser Friedrich III.....	10, 974	Four 9.4-inch; fourteen 5.9-inch.....	18.0
1900.....	Kaiser Wilhelm II.....	10, 974		
1901.....	Kaiser Karl der Grosse.....	10, 974	Four 9.4-inch; eighteen 5.9-inch.....	18.0
1901.....	Kaiser Wilhelm der Grosse.....	10, 974		
1901.....	Kaiser Barbarossa.....	10, 974	Four 9.4-inch; fourteen 5.9-inch.....	18.0
1902.....	Wittelsbach.....	11, 604		
1902.....	Zähringen.....	11, 604	Four 9.4-inch; eighteen 5.9-inch.....	18.0
1902.....	Wettin.....	11, 604		
1903.....	Mecklenburg.....	11, 604	Four 9.4-inch; eighteen 5.9-inch.....	18.3
1903.....	Schwaben.....	11, 604		
1904.....	Braunschweig.....	12, 991	Four 11-inch; fourteen 6.7-inch.....	18.0
1905.....	Hessen.....	12, 991		
1905.....	Preussen.....	12, 991	Four 11-inch; fourteen 6.7-inch.....	18.6
1905.....	Elsass.....	12, 991		
1906.....	Lothringen.....	12, 991	Four 11-inch; fourteen 6.7-inch.....	18.7
1906.....	Deutschland.....	12, 991		
1907.....	Hannover.....	12, 991	Four 11-inch; fourteen 6.7-inch.....	18.5
1907.....	Pommern.....	12, 991		
1907.....	Schleswig-Holstein.....	12, 991	Four 11-inch; fourteen 6.7-inch.....	18.0
1908.....	Schlesien.....	12, 991		
DREADNAUGHT TYPE.				
1909.....	Nassau.....	18, 600	Twelve 11-inch.....	20.0
1909.....	Westfalen.....	18, 600		
1910.....	Posen.....	18, 600	Twelve 11-inch.....	20.3
1910.....	Rheinland.....	18, 600		
1911.....	Ostfriesland.....	22, 435	Twelve 12-inch.....	20.0
1911.....	Helgoland.....	22, 435		
1911.....	Thüringen.....	22, 435	Twelve 12-inch.....	21.2
1912.....	Oldenburg.....	22, 435		
1912.....	Kaiser.....	24, 306	Ten 12-inch.....	20.8
1912.....	Friedrich der Grosse.....	24, 306		
1913.....	Kaiserin.....	24, 306	Ten 12-inch.....	20.5
1913.....	Prinzregent Luitpold.....	24, 406		
1913.....	König Albert.....	24, 306	Ten 12-inch.....	20.5
1913.....	König Albert.....	24, 306		
BUILDING. <sup>1</sup>				
1914.....	Grosser Kurfürst.....	25, 388	Ten 12-inch.....	22.0
1914.....	Markgraf.....	25, 388		
1914.....	König.....	25, 388	Ten 12-inch.....	22.0
1915.....	Kronprinz.....	25, 388		
1916.....	"T".....	28, 500	Eight 15-inch.....	22.0
1916.....	Ersatz Worth.....	28, 500		
1917.....	Ersatz Friedrich III.....	28, 500	Eight 15-inch.....	23.0
1917.....	Ersatz Friedrich III.....	28, 500		
Grand total, 40 battleships....		715, 622		

**ARMORED CRUISERS.**

1900.....	Furst Bismarck.....	10, 520	Four 9.4-inch; twelve 5.9-inch.....	19.0
1902.....	Prinz Heinrich.....	8, 747	Two 9.4-inch; ten 5.9-inch.....	20.0
1904.....	Prinz Adalbert.....	8, 944	Four 8.2-inch; ten 5.9-inch.....	20.3
1903.....	Friedrich Karl.....	8, 944		
1906.....	Roon.....	9, 353	Four 8.2-inch; ten 5.9-inch.....	21.17
1905.....	Yorck.....	9, 353		
1908.....	Gneisenau.....	11, 417	Eight 8.2-inch; six 5.9-inch.....	22.5
1907.....	Scharnhorst.....	11, 417		
1909.....	Bluecher.....	15, 550	Twelve 8.2-inch; eight 5.9-inch.....	23
BATTLE CRUISERS.				
1910.....	Von der Tann.....	19, 100	Eight 11-inch.....	28.1
1911.....	Moltke.....	22, 632	Ten 11-inch.....	28.4
1912.....	Goeben.....	22, 632		
1913.....	Seydlitz.....	24, 385		
BUILDING. <sup>1</sup>				
1914.....	Derfflinger.....	28, 000	Eight 12-inch.....	27.0
1915.....	Lützow.....	28, 000		
1916.....	Ersatz Hertha.....	28, 000		
1917.....	Ersatz Victoria Louise.....	28, 000		
Grand total, 17 armored cruisers.		294, 994		

<sup>1</sup> Data for ships building estimated.

NOTE.—Due to the European war no official information regarding naval matters of the belligerents can be obtained; therefore this table is published as of July 1, 1914.



Table 26.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—UNITED STATES.

(Vessels over 20 years old from date of launching not included.)

## BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1897.....	Iowa.....	11,346	Four 12-inch; eight 8-inch.....	17.09
1900.....	Kearsarge.....	11,520	Four 13-inch; four 8-inch.....	16.82
1900.....	Kentucky.....	11,520		16.90
1900.....	Alabama.....	11,552	Four 13-inch; fourteen 6-inch.....	17.01
1901.....	Illinois.....	11,552		17.45
1901.....	Wisconsin.....	11,552	Four 12-inch; sixteen 6-inch.....	17.17
1902.....	Maine.....	12,500		18.00
1903.....	Missouri.....	12,500	Four 12-inch; sixteen 6-inch.....	18.15
1904.....	Ohio.....	12,500		17.82
1906.....	Rhode Island.....	14,948	Four 12-inch; eight 8-inch; twelve 6-inch.	19.01
1906.....	Virginia.....	14,948		19.01
1906.....	New Jersey.....	14,948	Four 12-inch; eight 8-inch; twelve 7-inch.	19.18
1906.....	Georgia.....	14,948		19.26
1907.....	Nebraska.....	14,948	Four 12-inch; eight 8-inch; twelve 7-inch.	19.06
1906.....	Connecticut.....	16,000		18.78
1906.....	Louisiana.....	16,000	Four 12-inch; eight 8-inch; twelve 7-inch.	18.82
1907.....	Minnesota.....	16,000		18.85
1907.....	Vermont.....	16,000	Four 12-inch; eight 8-inch; twelve 7-inch.	18.33
1907.....	Kansas.....	16,000		18.09
1908.....	New Hampshire.....	16,000	Four 12-inch; eight 8-inch; twelve 7-inch.	18.16
1910.....	Michigan.....	16,000	Eight 12-inch.....	18.79
1910.....	South Carolina.....	16,000		18.86
DREADNAUGHT TYPE.				
1910.....	Delaware.....	20,000	Ten 12-inch.....	21.56
1910.....	North Dakota.....	20,000		21.01
1911.....	Florida.....	21,825	Ten 12-inch.....	20.75
1911.....	Utah.....	21,825		21.04
1912.....	Arkansas.....	26,000	Twelve 12-inch.....	21.05
1912.....	Wyoming.....	26,000		21.22
1913.....	Texas.....	27,000	Ten 14-inch.....	21.0
1914.....	New York.....	27,000	Ten 14-inch.....	21.0
BUILDING.				
1915.....	Nevada.....	27,500	Ten 14-inch.....	20.5
1915.....	Oklahoma.....	27,500		20.5
1916.....	Pennsylvania.....	31,400	Twelve 14-inch.....	21.0
1917.....	Arizona.....	31,400		
Grand total, 34 battleships...		616,732		

## ARMORED CRUISERS.

1905.....	Pittsburgh.....	13,680	Four 8-inch; fourteen 6-inch.....	22.44
1905.....	Maryland.....	13,680		22.41
1905.....	Colorado.....	13,680		22.24
1905.....	West Virginia.....	13,680		22.15
1907.....	San Diego.....	13,680		22.20
1907.....	South Dakota.....	13,680	Four 10-inch; sixteen 6-inch.....	22.24
1906.....	Tennessee.....	14,500		22.16
1906.....	Washington.....	14,500		22.27
1908.....	North Carolina.....	14,500		22.48
1908.....	Montana.....	14,500		22.26
Grand total, 10 armored cruisers.		140,080		
1896.....	Brooklyn <sup>1</sup> .....	9,215	Eight 8-inch; twelve 5-inch.....	21.91
1905.....	Charleston <sup>1</sup> .....	9,700		22.04
1906.....	Milwaukee <sup>1</sup> .....	9,700	Fourteen 6-inch.....	22.22
1906.....	St. Louis <sup>1</sup> .....	9,700		22.13
If last four ships included....		178,395		

<sup>1</sup> Officially the 4 ships are protected cruisers. They are actually armored cruisers, and so treated by standard foreign publications.

NOTE.—No change made in this table, and it is inserted for comparison with other powers under same date. For tonnage of battleships and armored cruisers of United States, 1915, see Table 18.

Table 27.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—FRANCE.

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Aug. 1, 1915, see Table 35.]

BATTLESHIPS.

Completed in—	Name.	Displace- ment.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1896.....	Carnot.....	11,954	Two 12-inch; two 10.8-inch; eight 5.5-inch.	17.86
1899.....	Charlemagne.....	11,097	Four 12-inch; ten 5.5-inch.....	18.1
1898.....	Gaulois.....	11,097		18.0
1900.....	St. Louis.....	11,097		18.0
1898.....	Massena.....	11,735	Two 12-inch; two 10.8-inch; eight 5.5-inch.	17.1
1898.....	Bouvet.....	11,844	Four 12-inch; ten 6.5-inch.....	18.2
1903.....	Suffren.....	12,527		18.0
1907.....	Patrie.....	14,630	Four 12-inch; eighteen 6.5-inch....	19.12
1907.....	Republique.....	14,630		19.15
1907.....	Justice.....	14,630	Four 12-inch; ten 7.6-inch.....	19.42
1907.....	Democratie.....	14,630		19.44
1908.....	Vérité.....	14,630		19.26
1911.....	Voltaire.....	18,029	Four 12-inch; twelve 9.4-inch.....	20.66
1911.....	Vergniaud.....	18,029		19.67
1911.....	Condorcet.....	18,029		19.8
1911.....	Diderot.....	18,029		19.75
1911.....	Mirabeau.....	18,029		19.73
1911.....	Danton.....	18,029		20.18
DREADNAUGHT TYPE.				
1913.....	Jean Bart.....	23,092	Twelve 12-inch.....	22.63
1913.....	Courbet.....	23,092		23.01
1914.....	France.....	23,092	Twelve 12-inch.....	20.0
1914.....	Paris.....	23,092		
BUILDING.				
1915.....	Bretagne.....	23,172	Ten 13.4-inch.....	20.0
1915.....	Lorraine.....	23,172		
1915.....	Provence.....	23,172		
1916.....	Normandie.....	24,828	Twelve 13.4-inch.....	21.5
1916.....	Languedoc.....	24,828		
1916.....	Flandre.....	24,828		
1916.....	Gascogne.....	24,828		
1917.....	Bearn.....	24,828		
Grand total, 30 battleships...		548,699		

ARMORED CRUISERS.

1896.....	Bruix.....	4,673	Two 7.6-inch; six 5.5-inch.....	18.3
1897.....	Pothuau.....	5,282	Two 7.6-inch; ten 5.5-inch.....	19.2
1903.....	Jeanne d'Arc.....	11,092	Two 7.6-inch; fourteen 5.5-inch.....	21.7
1903.....	Kleber.....	7,580	Eight 6.5-inch.....	21.2
1903.....	Desaix.....	7,580		21.7
1905.....	Dupleix.....	7,580		21.0
1902.....	Montcalm.....	9,367	Two 7.6-inch; eight 6.5-inch.....	21.0
1903.....	Gueydon.....	9,367		21.0
1905.....	Dupetit Thouars.....	9,367		22.5
1903.....	Marseillaise.....	9,856	Two 7.6-inch; eight 6.5-inch.....	21.0
1903.....	Admiral Aube.....	9,856		21.9
1904.....	Gloire.....	9,856		21.0
1904.....	Conde.....	9,856		21.4
1907.....	Victor Hugo.....	12,352		22.0
1906.....	Jules Ferry.....	12,352	Four 7.6-inch; sixteen 6.5-inch....	22.0
1905.....	Leon Gambetta.....	12,352		22.0
1908.....	Jules Michelet.....	12,370	Four 7.6-inch; twelve 6.5-inch.....	23.0
1909.....	Ernest Renan.....	13,428		23.0
1911.....	Edgar Quinet.....	13,779	Fourteen 7.6-inch.....	23.9
1911.....	Waldeck Rousseau.....	13,779		23.6
Grand total, 20 armored cruisers.		201,724		

NOTE.—Due to the European war, no official information regarding naval matters of the belligerents can be obtained; therefore this table is published as of July 1, 1914.

Table 28.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—JAPAN.

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Aug. 1, 1915, see Table 35.]

## BATTLESHIPS.

Completed in—	Name.	Displace- ment.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1897.....	Fuji.....	12,649	Four 12-inch; ten 6-inch.....	19.2
1898.....	Tango.....	10,960	Four 12-inch; twelve 6-inch.....	16.3
1899.....	Shikishima.....	14,580	Four 12-inch; fourteen 6-inch.....	18.8
1900.....	Asahi.....	14,765	Four 12-inch; fourteen 6-inch.....	18.3
1902.....	Mikasa.....	15,362		18.5
1901.....	Suwo.....	12,674	Four 10-inch; ten 6-inch.....	18.5
1901.....	Sagami.....	12,674		18.0
1902.....	Hizen.....	12,700	Four 12-inch; twelve 6-inch.....	18.8
1904.....	Iwami.....	13,516	Four 12-inch; six 8-inch.....	17.6
1906.....	Katori.....	15,950	Four 12-inch; four 10-inch; twelve 6-inch.....	20.2
1906.....	Kashima.....	16,400		19.2
1910.....	Satsuma.....	19,350	Four 12-inch; twelve 10-inch.....	20.0
1911.....	Aki.....	19,800	Four 12-inch; twelve 10-inch; eight 6-inch.....	20.2
DREADNAUGHT TYPE.				
1912.....	Kawachi.....	20,800	Twelve 12-inch.....	20.5
1912.....	Settsu.....	20,800		
BUILDING.				
1915.....	Fuso.....	30,600	Twelve 14-inch.....	22.0
1916.....	Yamashiro.....	30,600		
1916.....	Ise.....	30,600		
1917.....	Hinga.....	30,600		
Grand total, 19 battleships...		355,380		

## ARMORED CRUISERS.

1899.....	Tokiwa.....	9,885	} Four 8-inch; fourteen 6-inch.....	23.0
1899.....	Asama.....	9,885		22.1
1900.....	Idzumo.....	9,826		22.0
1901.....	Iwate.....	9,826		22.0
1901.....	Yakumo.....	9,735	} Four 8-inch; twelve 6-inch.....	20.0
1901.....	Adzuma.....	9,426		20.0
1903.....	Aso.....	7,800	Two 8-inch; eight 6-inch.....	22.0
1904.....	Kasuga.....	7,700	One 10-inch; two 8-inch; fourteen 6-inch.....	20.0
1904.....	Nisshin.....	7,700	Four 8-inch; fourteen 6-inch.....	20.0
1907.....	Tsukuba.....	13,750	} Four 12-inch; twelve 6-inch.....	21.0
1908.....	Ikoma.....	13,750		21.0
1909.....	Ibuki.....	14,600	} Four 12-inch; eight 8-inch.....	22.1
1911.....	Kurama.....	14,600		22.0
BATTLE CRUISERS.				
1913.....	Kongo.....	27,500	} Eight 14-inch.....	28.0
1914.....	Hiyei.....	27,500		27.0
BUILDING.				
1914.....	Kirishima.....	27,500	} Eight 14-inch.....	28.0
1915.....	Haruna.....	27,500		28.0
Grand total, 17 armored cruisers.		248,483		

NOTE.—Due to the European war, no official information regarding naval matters of the belligerents can be obtained; therefore this table is published as of July 1, 1914.



Table 29.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—RUSSIA.

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Aug. 1, 1915, see Table 35.]

BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1903.....	Panteleimon.....	12,500	Four 12-inch; sixteen 6-inch.....	17.0
1903.....	Tzesarevich.....	13,100		
1905.....	Slava.....	13,500	Four 12-inch; twelve 6-inch.....	19.6
1910.....	Sviatoi Evstafi.....	12,700		
1911.....	Ioann Zlatoust.....	12,700	Four 12-inch; four 8-inch; twelve 6-inch.	16.0
1911.....	Andreï Pervozvani.....	17,125		
1911.....	Imperator Pavel I.....	17,125	Four 12-inch; fourteen 8-inch.....	18.0
	DREADNAUGHT TYPE, BUILDING.			
1914.....	Sevastopol.....	23,026	Twelve 12-inch.....	23.0
1914.....	Petropavlovsk.....	23,026		
1914.....	Poltava.....	23,026		
1914.....	Gangut.....	23,026		
1914.....	Imperatritsa Maria.....	22,435	Twelve 12-inch.....	21.0
1915.....	Imperator Alexander III.....	22,435		
1915.....	Ekaterina II.....	22,435		
	Grand total, 14 battleships...	258,159		

ARMORED CRUISERS.

1897.....	Rossia.....	12,200	Four 8-inch; twenty-two 6-inch....	20.0
1900.....	Gromoboi.....	12,300		
1907.....	Rurik.....	15,000	Four 10-inch; eight 8-inch.....	21.5
1908.....	Admiral Makaroff.....	8,000		
1910.....	Bayan.....	8,000	Two 8-inch; eight 6-inch.....	22.55
1910.....	Pallada.....	8,000		
	BATTLE CRUISERS, BUILDING.			
1916.....	Navarin.....	32,000	Twelve 14-inch.....	25.0
1916.....	Borodino.....	32,000		
1916.....	Ismail.....	32,000		
1916.....	Kinburn.....	32,000		
	Grand total, 10 armored cruisers.	191,500		

NOTE.—Due to the European war, no official information regarding naval matters of the belligerents can be obtained; therefore this table is published as of July 1, 1914.

**Table 30.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—ITALY.**

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Aug. 1, 1915, see Table 35.]

**BATTLESHIPS.**

Completed in—	Name.	Displace- ment.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1901.....	Amiraglio di Saint Bon.....	9,800	Four 10-inch; eight 6-inch.....	20.1
1901.....	Emanuele Filiberto.....	9,800		19.2
1905.....	Benedetto Brin.....	13,400	Four 12-inch; four 8-inch; twelve 6-inch.	20.4
1904.....	Regina Margherita.....	13,400		20.2
1907.....	Regina Elena.....	12,425	Two 12-inch; twelve 8-inch.....	22.5
1908.....	Vittorio Emanuele III.....	12,425		22.8
1909.....	Napoli.....	12,425		23.6
1909.....	Roma.....	12,425		23.0
DREADNAUGHT TYPE.				
1912.....	Dante Alighieri.....	18,600	Twelve 12-inch.....	23.0
1913.....	Giulio Cesare.....	22,022	Thirteen 12-inch.....	22.5
1914.....	Leonardo da Vinci.....	22,022		22.5
BUILDING.				
1914.....	Conti di Cavour.....	22,022	Thirteen 12-inch.....	22.5
1915.....	Andrea Doria.....	22,564	Thirteen 12-inch.....	22.5
1915.....	Duilio.....	22,564		
1917.....	Carraciolo.....	30,000	Eight 15-inch.....	25.0
1917.....	Marcantonio-Colonna.....	30,000		
1917.....	Cristoforo-Colombo.....	30,000		
1917.....	Francesco-Morosini.....	30,000		
Grand total, 18 battleships...		345,894		

**ARMORED CRUISERS.**

1908.....	Vettor Pisani.....	6,400	Twelve 6-inch.....	20.0
1898.....	Carlo Alberto.....	6,400		
1901.....	Varese.....	7,300	One 10-inch; two 8-inch; fourteen 6-inch.	20.2
1901.....	Garibaldi.....	7,300		
1905.....	Ferruccio.....	7,300	Four 10-inch; eight 7.5-inch.....	20.0
1909.....	Pisa.....	9,830		
1909.....	Amalfi.....	9,830		
1910.....	San Giorgio.....	9,830		
1910.....	San Marco.....	9,830		23.0
Grand total, 9 armored cruisers.		74,020		

NOTE.—Due to the European war, no official information regarding naval matters of the belligerents can be obtained; therefore this table is published as of July 1, 1914.

Table 31.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—AUSTRIA-HUNGARY.

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Aug. 1, 1915, see Table 35.]

## BATTLESHIPS.

Completed in—	Name.	Displace- ment.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1906.....	Erzherzog Karl.....	10,600	Four 9.4-inch; twelve 7.4-inch.....	{ 20.3 20.57 19.25
1907.....	Erzherzog Friedrich.....	10,600		
1907.....	Erzherzog Ferdinand Max.....	10,600		
1910.....	Erzherzog Franz Ferdinand.....	14,271	Four 12-inch; eight 9.4-inch.....	20.3
1911.....	Radetzki.....	14,271		
1911.....	Zrinyi.....	14,271		
DREADNAUGHT TYPE.				
1912.....	Viribus Unitis.....	20,010	Twelve 12-inch.....	21.0
1913.....	Tegetthoff.....	20,010		
1914.....	Prinz Eugen.....	20,010		
BUILDING.				
1914.....	Szent Istvan.....	20,010	Twelve 12-inch.....	21.0
(1).....	One ship.....	24,500	Ten 13.5-inch.....	21.0
(1).....	do.....	24,500		
(1).....	do.....	24,500		
(1).....	do.....	24,500		
Grand total, 14 battleships...		252,653		

## ARMORED CRUISERS.

1900.....	Kaiser Karl VI.....	6,200	Two 9.4-inch; eight 5.9-inch.....	20.8
1906.....	St. Georg.....	7,180	Two 9.4-inch; five 7.5-inch; four 5.9-inch.	22.0
Grand total, 2 armored cruisers.		13,380		

<sup>1</sup> Time when due to be completed unknown.

NOTE.—Due to the European war, no official information regarding naval matters of the belligerents can be obtained; therefore this table is published as of July 1, 1914.

Table 32.—SUMMARY OF BATTLESHIPS AND ARMORED CRUISERS.

	Number.	Tonnage.		Number.	Tonnage.
Great Britain:			Japan:		
Battleships.....	76	1,433,735	Battleships.....	19	355,380
Armored cruisers.....	44	623,500	Armored cruisers.....	17	248,483
Total tonnage.....		2,057,235	Total tonnage.....		603,863
Germany:			Russia:		
Battleships.....	40	715,622	Battleships.....	14	258,159
Armored cruisers.....	17	293,169	Armored cruisers.....	10	191,500
Total tonnage.....		1,008,791	Total tonnage.....		449,659
United States:			Italy:		
Battleships.....	34	616,732	Battleships.....	18	345,894
Armored cruisers.....	10	140,080	Armored cruisers.....	9	74,020
Total tonnage.....		756,812	Total tonnage.....		419,914
France:			Austria-Hungary:		
Battleships.....	30	548,699	Battleships.....	13	252,653
Armored cruisers.....	20	201,724	Armored cruisers.....	2	13,380
Total tonnage.....		750,423	Total tonnage.....		266,033

NOTE.—Due to the European war, no official information regarding naval matters of the belligerents can be obtained; therefore this table is published as of July 1, 1914.



Table 33.—SUMMARY OF ARMAMENT, BATTLESHIPS AND ARMORED CRUISERS.

	Large guns.						
	11-inch.	12-inch.	13-inch.	13.5-inch.	14-inch.	15-inch.	Grand total.
Great Britain:							
Built.....		300		124			
Building.....				28		112	
Total.....		300		152		112	564
Germany:							
Built.....	126	98					
Building.....		72				24	
Total.....	126	170				24	320
United States:							
Built.....		140	20		20		
Building.....					44		
Total.....		140	20		64		224
France:							
Built.....		102					
Building.....		12		190			
Total.....		114		190			204
Japan:							
Built.....		84			16		
Building.....					64		
Total.....		84			80		164
Russia:							
Built.....		28					
Building.....		84			48		
Total.....		112			48		160
Italy:							
Built.....		54					
Building.....		39				2 32	
Total.....		93				2 32	125
Austria:							
Built.....		48					
Building.....		12		40			
Total.....		60		40			100

<sup>1</sup> These guns are 13.4-inch.

NOTE.—Due to the European war no official information regarding naval matters of the belligerents can be obtained, therefore this table is published as of July 1, 1914.

Table 34.—TOTAL NAVAL EXPENDITURES BY PRINCIPAL NAVAL POWERS.

Fiscal year.	Great Britain (Apr. 1 to Mar. 31). <sup>1,9</sup>	United States (July 1 to June 30).	Germany (April to March). <sup>9</sup>	France (January to December). <sup>9</sup>
1900-1901.....	\$145,792,850	\$61,721,695	\$37,173,074	\$72,683,180
1901-2.....	150,569,190	68,438,301	46,315,800	67,079,011
1902-3.....	150,679,328	82,977,641	48,818,700	59,217,558
1903-4.....	173,548,058	104,126,192	50,544,000	59,740,222
1904-5.....	179,138,049	116,655,826	49,110,300	60,178,623
1905-6.....	161,117,947	109,725,059	54,918,000	61,569,779
1906-7.....	152,954,342	98,392,144	58,344,300	59,514,296
1907-8.....	151,880,617	117,353,474	69,133,500	<sup>2</sup> 60,685,813
1908-9.....	156,401,161	120,421,579	<sup>2</sup> 80,737,626	<sup>2</sup> 62,194,916
1909-10.....	181,936,341	122,247,365	<sup>2</sup> 95,047,820	64,894,589
1910-11.....	202,056,258	111,791,980	<sup>2</sup> 103,302,773	74,102,439
1911-12.....	211,596,296	133,559,071	<sup>2</sup> 107,178,480	<sup>2</sup> 80,371,109
1912-13.....	234,443,296	129,787,233	<sup>2</sup> 109,989,096	<sup>2</sup> 81,692,832
1913-14.....	<sup>2</sup> 237,530,459	136,858,301	<sup>2</sup> 112,091,125	<sup>2</sup> 90,164,625
1914-15.....	<sup>2</sup> 260,714,275	<sup>2,3</sup> 141,872,786	113,993,329	<sup>2</sup> 123,828,872

Fiscal year.	Russia (January to December). <sup>9</sup>	Italy (July 1 to June 30).	Japan (April to March).	Total.
1900-1901.....	\$42,101,212	\$23,829,206	( <sup>4</sup> )	.....
1901-2.....	45,488,462	23,875,532	\$21,373,954	\$423,140,250
1902-3.....	50,769,465	23,522,400	17,654,528	433,639,620
1903-4.....	60,018,895	23,522,400	17,553,279	489,053,046
1904-5.....	58,076,543	24,300,000	10,018,024	497,477,365
1905-6.....	60,228,444	24,494,400	11,378,202	483,427,831
1906-7.....	60,703,557	25,865,668	30,072,061	485,846,368
1907-8.....	43,012,166	27,516,454	35,124,346	504,706,370
1908-9.....	49,682,482	30,453,697	39,347,332	539,238,793
1909-10.....	58,059,040	<sup>2</sup> 31,812,885	<sup>2</sup> 35,005,719	589,008,759
1910-11.....	<sup>2</sup> 46,520,465	<sup>2,5</sup> 40,595,204	<sup>2</sup> 36,889,158	615,258,277
1911-12.....	<sup>2</sup> 56,680,915	<sup>2,6</sup> 40,780,987	<sup>2</sup> 42,944,329	673,111,187
1912-13.....	<sup>2</sup> 82,019,633	<sup>2,6</sup> 41,893,420	<sup>7,9,11</sup> 46,510,216	716,335,726
1913-14.....	<sup>2</sup> 117,508,657	<sup>2</sup> 49,550,147	<sup>7</sup> 48,105,152	791,808,466
1914-15.....	<sup>7</sup> 128,954,733	<sup>7,10</sup> 56,920,440	<sup>7,8</sup> 69,111,653	893,396,088

<sup>1</sup> Does not include amounts expended under naval works acts during the years 1896-1909, amounting to about \$155,000,000.

<sup>2</sup> Appropriation.

<sup>3</sup> Includes \$4,635,000 this year's allotment of proceeds from sale of the Idaho and Mississippi.

<sup>4</sup> Not available.

<sup>5</sup> Includes \$4,827,568 made available 1910.

<sup>6</sup> Includes \$3,309,220 made available 1911.

<sup>7</sup> Estimated.

<sup>8</sup> Includes \$18,962,844 estimated for naval expenditures up to Dec. 31, 1914, for war with Germany.

<sup>9</sup> War appropriations for Great Britain, Germany, France, and Russia not included in this table.

<sup>10</sup> Includes two additional appropriations amounting to \$9,950,501 because of present European war.

<sup>11</sup> Revised estimates.

NOTE.—Due to the European war no official information regarding naval matters of the belligerents can be obtained, therefore this table is published as of July 1, 1914.

Table 35.—WAR VESSELS LOST BY BELLIGERENTS FROM JULY 1, 1914, TO AUG. 1, 1915.

[The following information has been compiled from what are considered reliable statements published in the papers.]

## ENGLAND.

No.	Type.	Date.	Name.	Gross tonnage.
8	Battleships.....	Oct. 29	Audacious.....	24,000
		Nov. 25	Bulwark.....	15,000
		Jan. 1	Formidable.....	15,000
		Mar. 18	Irresistible.....	15,000
		...do....	Ocean.....	12,950
		May 12	Goliath.....	12,950
		May 25	Triumph.....	11,800
		May 27	Majestic.....	14,900
3	Armored cruisers.....	Sept. 22	Aboukir.....	12,000
		...do....	Cressy.....	12,000
		...do....	Hogue.....	12,000
3	Cruisers.....	Oct. 15	Hawke.....	7,350
		Nov. 1	Good Hope.....	14,100
		...do....	Monmouth.....	9,800
4	Light cruisers.....	Aug. 6	Amphion.....	3,360
		Sept. 5	Pathfinder.....	2,940
		Sept. 20	Pegasus.....	2,135
		Oct. 31	Hermes.....	5,600
2	Torpedo gunboats.....	Sept. 3	Speedy.....	810
		Nov. 11	Niger.....	810
5	Destroyers.....	Aug. 18	Bullfinch.....	370
		Dec. 27	.....	1,700
		Feb. —	Erne.....	550
		May 1	Recruit.....	385
		May 7	Maori.....	1,035
2	Torpedo boats.....	June 10	No. 10.....	244
		...do....	No. 12.....	253
8	Submarines <sup>2</sup> .....	Sept. 14	AE-1.....	725-810
		Oct. 18	E-3.....	725-810
		Nov. 3	D-5.....	550-600
		Dec. 1	D-2.....	550-600
		.....	E-10.....	725-810
		Apr. 17	E-15.....	725-810
		.....	E-17.....	725-810
		Apr. 30	AE-2.....	725-810
1	Mine layer <sup>3</sup> .....	May 27	Princess Irene.....	.....
1	Training ship.....	Sept. 17	Fisguard II.....	.....
5	Auxiliary cruisers.....	Sept. 8	Oceanic.....	17,274
		Oct. 30	Rohillo.....	7,409
		Jan. 25	Vikno.....	5,386
		Feb. 3	Clan Macnaughton.....	4,985
		Mar. 12	Bayano.....	5,948
42	Total tonnage.....	.....	.....	254,494

## FRANCE.

1	Battleship.....	Mar. 18	Bouvet.....	12,007
1	Armored cruiser.....	Apr. 26	Leon Gambetta.....	12,352
1	Gunboat.....	Sept. 22	Zelee.....	636
2	Destroyers.....	Oct. 28	Mousquet.....	298
		Feb. 24	Dague.....	720
4	Torpedo boats.....	Oct. 9	No. 347.....	97
		...do....	No. 338.....	97
		Jan. —	.....	.....
		June 16	No. 331.....	97
2	Submarines <sup>4</sup> .....	Dec. 23	Curie.....	392
		Jan. 15	Saphir.....	386
1	Mine layer.....	June 3	Casabianca.....	945
12	Total tonnage.....	.....	.....	28,027

<sup>1</sup> Estimated.<sup>2</sup> In addition to these, according to the press, possibly five or six more English submarines have been lost.<sup>3</sup> In addition to this many tugs permanently or temporarily in the English naval service have been sunk, either while engaged in laying mines or in sweeping for mines.<sup>4</sup> Unconfirmed rumors afloat in regard to the loss of the submarine *Joule* and of another submarine recently lost at the Dardanelles.



**Table 35.—WAR VESSELS LOST BY BELLIGERENTS FROM JULY 1, 1914, TO AUG. 1, 1915—Continued.**

## RUSSIA.

No.	Type.	Date.	Name.	Gross tonnage.
1	Armored cruiser.....	Oct. 11	Pallado.....	7,775
1	Cruiser.....	Oct. 28	Zemtechug.....	3,130
2	Gunboats.....	Oct. 29	Donnetz.....	1,224
	.....do.....	.....do.....	Kubanez.....	1,280
1	Mine layer.....	June 4	Yenisei.....	2,926
1	Auxiliary cruiser.....	Oct. 29	Prut.....	5,440
6	Total tonnage.....			21,775

NOTE.—In addition to the above unconfirmed rumors of Russian losses in the Baltic and Black Sea are published in the press from time to time.

## JAPAN.

1	Destroyer.....	Sept. 4	Shirotaye.....	380
1	Torpedo boat.....	Nov. 11	No. 33.....	82
1	Training ship.....	Oct. 17	Takachiho.....	3,700
4	Special service ships.....	Sept. 6	Nagato Maru VI.....	211
		Sept. 30	Nagato Maru III.....	213
		Oct. 1	Koyo Maru.....	215
		.....do.....	.....	.....
7	Total tonnage.....			4,801

## ITALY.

2	Armored cruisers.....	July 7	Amalfi.....	9,958
		July 18	Garibaldi.....	7,234
1	Destroyer.....	May 24	Turbine.....	325
1	Submarine.....	June 17	Medusa.....	241-295
4	Total tonnage.....			17,758

GERMANY.<sup>1</sup>

1	Battle cruiser.....	Aug. 13	Goeben (sold to Turkey).....	22,635
5	Armored cruisers.....	Nov. 3	Yorck.....	9,350
		Dec. 8	Scharnhorst.....	11,420
		.....do.....	Gneisenau.....	11,420
		Dec. —	Frederich Karl.....	8,858
		Jan. 24	Bluecher.....	15,550
10	Protected cruisers.....	Aug. 28	Mainz.....	4,280
		.....do.....	Koeln.....	4,280
		.....do.....	Ariadne.....	2,618
		Sept. 13	Hela.....	2,003
		Nov. 9	Emden.....	3,592
		Dec. 8	Leipzig.....	3,200
		.....do.....	Nurnberg.....	3,396
		Jan. 24	Kolberg (doubtful).....	4,280
		Mar. 14	Dresden.....	3,592
		July 11	Koenigsberg.....	3,348
3	Small cruisers.....	Aug. 13	Breslau (sold to Turkey).....	4,478
		Aug. 27	Magdeburg.....	4,478
		Nov. —	Karlsruhe (uncertain).....	4,822
8	Gunboats.....	Aug. 9	Moevee.....	640
		Aug. 20	Hedwick von Wissman.....	300
		Oct. 7	Planet.....	640
		Nov. 7	Cormoran.....	1,604
		.....do.....	Iltis.....	886
		.....do.....	Tiger.....	886
		.....do.....	Luchs.....	886
		.....do.....	Jaguar.....	886
9	Destroyers.....	Aug. 28	V-187.....	689
		Oct. 17	S-115.....	413
		.....do.....	S-117.....	413
		.....do.....	S-118.....	413
		.....do.....	S-119.....	413
		Oct. 20	S-90.....	396
		Nov. 7	Taku.....	276
		Nov. 22	S-124.....	463
		July 26	G-196.....	689
4	Torpedo boats.....	Oct. 6	S-116.....	477
		May 1	A-2.....	150
		.....do.....	A-6.....	150
		June 30	.....	.....

<sup>1</sup> Various accounts have appeared in the press of the sinking of a German battleship in the Baltic in June by a British submarine.

Table 35.—WAR VESSELS LOST BY BELLIGERENTS FROM JULY 1, 1914, TO AUG. 1, 1915—Continued.

## GERMANY—Continued.

No.	Type.	Date.	Name.	Gross tonnage.
7	Submarines.....	Aug. 10	U-15.....	450
		Nov. 23	U-18.....	450
		Mar. 4	U-8.....	246-295
		Mar. 10	U-12.....	246-295
		Mar. 26	U-29.....	900
4	Mine layers.....	June 8	U-14.....	246-295
		July 4	U-.....	
		Aug. 5	Koenigin Luise.....	2,163
18	Auxiliary cruisers.....	Nov. 7	Rufin.....	
		Dec. —		
		July 2	Albatross.....	2,165
		Aug. —	Prince Adelbert <sup>1</sup> .....	6,030
		Aug. 15	Sundmark <sup>1</sup> .....	5,113
		Aug. 26	Kaiser Wilhelm der Grosse <sup>2</sup> .....	13,952
		Sept. 7	Bethania <sup>1</sup> .....	7,548
		Sept. 12	Spreewald <sup>1</sup> .....	3,899
		Sept. 14	Cap Trafalgar <sup>2</sup> .....	18,710
		Sept. —	Max Brock <sup>1</sup> .....	4,579
		Sept. 24	Itolo <sup>2</sup> .....	299
		do.....	Rhios <sup>2</sup> .....	150
		Oct. 1	Soden <sup>1</sup> .....	150
		do.....	Gneisenau <sup>2</sup> .....	8,185
		Oct. 10	Gracia <sup>1</sup> .....	2,753
		Oct. 16	Markomania <sup>2</sup> .....	4,505
		Oct. 17	Ophelia <sup>1</sup> .....	1,153
		Oct. 18	Comet <sup>1</sup> .....	977
		Nov. 11	Navarra <sup>2</sup> .....	5,794
		Jan. 6	Eleonore Woermann <sup>2</sup> .....	4,624
		Apr. 30	Macedonia <sup>1</sup> .....	4,347
69	Total tonnage.....			238,904

NOTE.—Submarine losses are carefully concealed by the belligerents. Many rumors have been published in the press concerning submarine losses. Only those officially confirmed by one of the powers are noted in these tables.

## AUSTRIA.

2	Cruisers.....	Aug. 16	Zenta.....	2,264
		Nov. 7	Kaiserin Elizabeth.....	3,937
1	River monitor.....	Oct. 23	Temes.....	433
1	Training ship.....	Dec. 17	Beethoven.....	
1	Torpedo boat.....	Aug. 18	No. 19.....	78
2	Submarines.....	May 27		
		July 1	U-11.....	685-860
7	Total tonnage.....			7,397

## TURKEY.

1	Battleship.....	Dec. 14	Mussudieh.....	10,000
1	Cruiser.....	Apr. 3	Mejidieh.....	3,330
8	Gunboats.....	Oct. 31	Burak Reis.....	502
		Dec. —	Issa Reis.....	420
		Jan. 21		
		Apr. 3		
		do.....		
		May 3		
		May 24	Plenk-I-Derih.....	866
		June 1	Marmaris.....	492
1	Torpedo gunboat.....	Apr. 29	Berk-I-Satvet.....	763
2	Torpedo boats.....	Feb. —		
		Apr. 17	Demir Haissar.....	97
13	Total tonnage.....			18,490

## RECAPITULATION.

	Ships.	Tonnage.		Ships.	Tonnage.
England.....	42	254,494	Italy.....	4	17,758
France.....	12	28,027	Germany.....	69	238,904
Russia.....	6	21,775	Austria.....	7	7,397
Japan.....	7	4,801	Turkey.....	13	16,490

<sup>1</sup> Captured.<sup>2</sup> Sunk.

Table 36.—ARMOR CONTRACTS, BETHLEHEM STEEL CO.

Vessels.	Act of authorization.	Date of contract.	Amount.	Cost per ton, including royalties.	Present status of contract.
			<i>Tons.</i>		
Amphitrite.....	Mar. 3, 1887	June 1, 1887	237.17	\$604.85	Completed.
Puritan.....	.....do.....	.....do.....	1,126.46	604.85	Do.
Texas (old).....	.....do.....	.....do.....	1,064.77	604.85	Do.
Maine (old).....	.....do.....	.....do.....	1,221.00	604.85	Do.
Monterey.....	.....do.....	.....do.....	174.26	604.85	Do.
Oregon.....	June 30, 1890	Mar. 1, 1893	899.74	646.41	Do.
Massachusetts.....	.....do.....	June 1, 1887 Mar. 1, 1893	2,191.25	604.85 646.41	Do.
Brooklyn.....	July 19, 1892	.....do.....	40.73	646.41	Do.
Iowa.....	.....do.....	.....do.....	791.63	646.41	Do.
Kearsarge.....	Mar. 2, 1895	June 1, 1896	2,830.00	547.96	Do.
Alabama.....	June 10, 1896	June 9, 1898	2,559.00	411.20	Do.
Illinois.....	.....do.....	June 3, 1898	1,406.00	411.20	Do.
Maine (new).....	May 4, 1898	Nov. 28, 1900	2,419.00	411.20 453.00	Do.
Ohio.....	.....do.....	.....do.....	1,213.00	411.20 453.00	Do.
Florida (old).....	.....do.....	Oct. 4, 1899	541.44	411.20	Do.
Cheyenne (formerly Wyoming).....	.....do.....	.....do.....	541.44	411.20	Do.
Virginia.....	Mar. 3, 1899	Nov. 28, 1900	1,948.00	411.20 453.00	Do.
Nebraska.....	.....do.....	.....do.....	3,332.00	411.20 453.00	Do.
Georgia.....	.....do.....	.....do.....	3,332.00	411.20 453.00	Do.
Pennsylvania (old).....	.....do.....	.....do.....	1,908.00	411.20 453.00	Do.
West Virginia.....	.....do.....	.....do.....	954.00	411.20 453.00	Do.
Colorado.....	June 7, 1900	.....do.....	1,908.00	411.20 453.00	Do.
Maryland.....	.....do.....	.....do.....	954.00	411.20 453.00	Do.
St. Louis.....	.....do.....	.....do.....	365.00	411.20 453.00	Do.
Milwaukee.....	.....do.....	.....do.....	731.00	411.20 453.00	Do.
Louisiana.....	July 1, 1902	Feb. 28, 1903	3,542.00	411.20 453.00	Do.
Washington.....	.....do.....	.....do.....	2,190.00	411.20 453.00	Do.
Kansas.....	Mar. 3, 1903	Dec. 31, 1903	1,772.00	411.20 453.00	Do.
Minnesota.....	.....do.....	.....do.....	3,543.00	411.20 453.00	Do.
New Hampshire.....	Apr. 27, 1904	Apr. 1, 1905	3,038.00	411.20 453.00	Do.
North Carolina.....	.....do.....	.....do.....	1,921.00	411.20 453.00	Do.
South Carolina.....	Mar. 3, 1905	Aug. 10, 1906	1,794.00	345.89	Do.
Delaware.....	June 29, 1906	Aug. 15, 1907	2,198.00	417.65	Do.
North Dakota.....	Mar. 2, 1907	.....do.....	1,382.00	416.54	Do.
Florida.....	May 13, 1908	Jan. 20, 1909	1,953.00	422.36	Do.
Utah.....	.....do.....	.....do.....	1,154.00	421.99	Do.
Arkansas.....	Mar. 3, 1909	Sept. 27, 1909	3,946.00	424.25	Do.
Wyoming.....	.....do.....	.....do.....	648.00	440.69	Do.
Texas.....	June 24, 1910	Feb. 17, 1911	2,257.00	432.97	Do.
New York.....	.....do.....	June 13, 1911	2,212.00	430.64	Do.
Oklahoma.....	Mar. 4, 1911	Jan. 15, 1912	1,899.00	420.00 480.00	98 per cent.
Nevada.....	.....do.....	.....do.....	3,124.00	460.00 508.00	
Pennsylvania.....	Aug. 22, 1912	Mar. 1, 1913	2,666.00	454.00 496.00	
Idaho.....	June 30, 1914	Nov. 6, 1914	16,256.00	518.00 425.00	75 per cent.
California.....	.....do.....	.....do.....		486.00 466.00	
				376.00	No per cent.



Table 37.—ARMOR CONTRACTS, CARNEGIE STEEL CO.

Vessels.	Act of authorization.	Date of contract.	Amount.	Cost per ton, including royalties.	Present status of contract.
Arkansas (old).....	May 4, 1893	Aug. 30, 1899	<i>Tons.</i> 538.00	\$411.20	Completed.
Nevada (old).....	do.	do.	538.00	411.20	
Virginia.....	Mar. 3, 1899	Nov. 26, 1900	1,384.00	411.20	Do.
West Virginia.....	do.	do.	954.00	453.00	
California.....	do.	do.	1,908.00	411.20	Do.
New Jersey.....	June 7, 1900	do.	3,332.00	453.00	
Rhode Island.....	do.	do.	3,332.00	411.20	Do.
Maryland.....	do.	do.	954.00	453.00	
South Dakota.....	do.	do.	1,908.00	411.20	Do.
St. Louis.....	do.	do.	365.00	453.00	
Charleston.....	do.	do.	731.00	411.20	Do.
Connecticut.....	July 1, 1902	Feb. 28, 1903	3,542.00	453.00	
Tennessee.....	do.	do.	2,190.00	411.20	Do.
Vermont.....	Mar. 3, 1903	Jan. 9, 1904	3,543.00	453.00	
Kansas.....	do.	do.	1,772.00	411.20	Do.
Montana.....	Apr. 27, 1904	Apr. 3, 1905	1,921.00	453.00	
South Carolina.....	Mar. 3, 1905	Aug. 13, 1906	1,865.00	345.95	Do.
Delaware.....	June 29, 1906	July 22, 1907	2,491.00	416.35	
North Dakota.....	Mar. 2, 1907	do.	1,047.00	418.36	Do.
Florida.....	May 13, 1908	Jan. 6, 1909	977.00	422.20	
Utah.....	do.	do.	2,176.00	423.07	Do.
Arkansas.....	Mar. 3, 1909	Sept. 13, 1909	1,098.00	420.00	
Wyoming.....	do.	do.	3,506.00	420.68	Do.
Texas.....	June 24, 1910	Feb. 10, 1911	2,207.00	431.44	
New York.....	do.	May 25, 1911	2,323.00	426.69	Do.
Nevada.....	Mar. 4, 1911	Jan. 15, 1912	4,540.00	420.00	
Oklahoma.....	do.	do.	591.00	480.00	95 per cent.
Pennsylvania.....	Aug. 22, 1912	Mar. 1, 1913	2,683.00	508.00	
Amphitrite.....	Mar. 3, 1887	Nov. 20, 1890	427.00	454.00	75 per cent.
Monadnock.....	do.	do.	675.00	518.00	
Terror.....	do.	do.	629.00	574.00	Completed.
Monterey.....	do.	do.	532.00	574.00	
New York (old).....	Sept. 7, 1888	do.	517.00	574.00	Do.
Olympia.....	do.	do.	227.44	599.04	
Cincinnati.....	do.	do.	47.00	599.04	Do.
Raleigh.....	do.	do.	47.00	599.04	
Montgomery.....	do.	do.	22.00	599.04	Do.
Detroit.....	do.	do.	22.00	599.04	
Marblehead.....	do.	do.	20.00	599.04	Do.
Machias.....	Mar. 2, 1889	do.	20.85	599.04	
Castine.....	do.	do.	21.00	599.04	Do.
Columbia.....	June 30, 1890	do.	76.64	599.04	
Katahdin.....	do.	do.	775.00	574.00	Do.
Oregon.....	do.	do.	1,867.00	574.00	
Massachusetts.....	do.	do.	582.00	574.00	Do.
Indiana.....	do.	do.	2,316.00	671.00	
Minneapolis.....	Mar. 2, 1891	do.	75.68	605.00	Do.
Iowa.....	July 19, 1892	do.	1,812.00	646.00	
Brooklyn.....	do.	do.	661.00	574.00	Do.
Nashville.....	Mar. 3, 1893	Feb. 11, 1895	37.00	671.00	
Helena.....	do.	do.	29.00	298.15	Do.
Wilmington.....	do.	do.	29.00	304.64	
Kentucky.....	Mar. 2, 1895	June 1, 1896	2,830.00	307.61	Do.
Illinois.....	June 10, 1896	June 9, 1898	1,153.00	552.50	
Wisconsin.....	do.	do.	2,559.00	411.00	Do.
Ohio.....	May 4, 1898	Nov. 26, 1900	1,214.00	411.20	
Missouri.....	do.	do.	2,409.00	453.00	Do.
				411.20	

Table 38.—ARMOR CONTRACTS, MIDVALE STEEL CO.

Vessels.	Act of authorization.	Date of contract.	Amount.	Cost per ton, including royalties.	Present status of contract.
			<i>Tons.</i>		
Mississippi.....	Mar. 3, 1903	Dec. 15, 1903	3,090.00	\$385.00 398.00	Completed.
Idaho.....	.....do.....	.....do.....	3,090.00	385.00 398.00	
New Hampshire.....	Apr. 27, 1904	Apr. 5, 1905	504.00	385.00 398.00	Do.
North Carolina.....	.....do.....	.....do.....	269.00	385.00 398.00	Do.
Montana.....	.....do.....	.....do.....	269.00	385.00 398.00	Do.
Michigan.....	Mar. 3, 1905	Aug. 6, 1906	3,660.00	345.92	Do.
North Dakota.....	Mar. 2, 1907	Aug. 29, 1907	2,259.00	416.56	Do.
Florida.....	May 13, 1908	Jan. 14, 1909	1,748.00	420.73	Do.
Utah.....	.....do.....	.....do.....	1,380.00	418.31	Do.
Arkansas.....	Mar. 3, 1909	Sept. 10, 1909	1,445.00	422.19	Do.
Wyoming.....	.....do.....	.....do.....	2,341.00	421.91	Do.
Texas.....	June 24, 1910	Feb. 20, 1911	2,274.00	426.71	Do.
New York.....	.....do.....	June 2, 1911	2,202.00	435.05 420.00	Do.
Oklahoma.....	Mar. 4, 1911	Jan. 15, 1912	5,189.00	480.00 460.00 508.00	99 per cent.
Pennsylvania.....	Aug. 22, 1912	Mar. 1, 1913	2,723.00	454.00 518.00 496.00	
Arizona.....	Mar. 4, 1913	Nov. 17, 1913	7,739.00	440.00 504.00	45 per cent.
.....do.....	.....do.....	May 20, 1914	252.00	471.00 425.00	
Mississippi.....	June 30, 1914	Nov. 7, 1914	8,128.00	486.00 466.00 376.00	Do.

Table 39.—ARMOR CONTRACTS, CARBON STEEL CO.

Vessels.	Act of authorization.	Date of contract.	Amount.	Cost per ton, including royalties.	Present status of contract.
Arizona.....	Mar. 4, 1913	Oct. 10, 1913	<i>Tons.</i> 1 61.00	\$448.00	5 per cent.

<sup>1</sup> Class C steel.

Table 40.—PRICES PAID FOR ARMOR BY PRINCIPAL NAVAL POWERS.

Countries.	Turret armor.	Krupp side armor.
Japan.....	<sup>1</sup> \$490.00	<sup>1</sup> \$490.00
Austria.....	<sup>1</sup> 729.00	<sup>1</sup> 511.00
Italy.....	<sup>1</sup> 444.00	<sup>1</sup> 405.00
Germany.....	.....	490.00
France.....	<sup>1</sup> 598.00	<sup>1</sup> 460.00
England.....	<sup>1</sup> 691.00	<sup>1</sup> 503.00
Russia.....	<sup>1</sup> 510.00	<sup>1</sup> 368.00
United States.....	496.00	425.00

<sup>1</sup> Same as in last Yearbook; no new information.

NOTE.—Due to the European war no official information regarding naval matters of the belligerents can be obtained; therefore this table is published as it appeared in the Yearbook for 1914.

Table 41.—DEPTHS OF HARBORS AT NAVY YARD PORTS.

[Revised by Coast and Geodetic Survey, November, 1915.]

Names.	Es- tab- lished.	Water at yard. <sup>1</sup>		Width of channel in front of yard.	Controlling depth to sea.	
		High water.	Mean low water.		High water.	Mean low water.
		<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>
Boston.....	1801	41.6 to 44.6...	32 to 35.....	1,200.....	41.0.....	32.
Portsmouth...	1880	40.0 to 74.0...	32 to 66.....	980.....	44.7.....	36.
New York...	1801	26.0 to 34.0...	22 to 30.....	2, 0 0 0 24' channel East River off Cob dock; 360 between Cob dock and yard proper.	32 to 44.7...	26 to 40.
Philadelphia..	1868	30.4 to 40.4...	25 to 35.....	1,700.....	35.4.....	30.
Washington..	1800	22.9 to 26.9...	20 to 24.....	800.....	24.9.....	22.
Norfolk.....	1801	30.8 to 37.8...	28 to 35.....	525.....	37.5.....	35.
Charleston....	1901	23.2 to 40.2...	18 to 35.....	1,000.....	30.2.....	25.
Pensacola....	1826	15.4 to 46.4...	14 to 45.....	825 30' chan- nel; 6,000 18' channel.	33.3.....	32.
Mare Island..	1854	26.9 to 37.9, M. H. H. W.	20 to 31, M. L. L. W.	900.....	34.6 M. H. H. W.	28, M. L. L. W.
Puget Sound..	1891	38.5 to 61.5, M. H. H. W.	25 to 48, Harmonic tide plane.	3,940.....	55.5.....	42, Harmonic tide plane.
Narragansett Bay.	1908	27.6 to 50.6...	24 to 47.....	5,700 W. of training station and N. of Rose Island.	W. passage, 25.9; E. passage, 51.6 to 72.6.	W. passage, 22; E. passage, 49 to 69.
New London..	1878	16.5 to 29.5...	19 to 27.....	525.....	29.5.....	27.
Port Royal...	1883	29.....	22.....	1,378.....	28.5.....	22.
Key West....	1832	13 to 21.....	12 to 20.....	About 750 to 24' line.	31.2.....	30 main channel.
New Orleans..	1849	51 to 106.....	39 to 94, mean annual lowest water.	2,000.....	31.2.....	30 at SW. Pass.
Guantanamo..	1903	20.2 to 43.2...	19 to 42, mean of lowest tides.	2,050.....	30.2.....	29 mean of lowest tides. (H. O. chart 2644.)
San Juan.....	1898	29.1 to 35.1...	28 to 34.....	1,148.....	29.1.....	28.
Sitka.....	1867	29.8 to 48.8...	20 to 39, M. L. L. W.	230.....	30.8 NW. channel; 42.8 E. channel.	21 NW. channel; 33 E. channel, M. L. L. W.
Honolulu....	1899	28.8 to 41.8...	27 to 40, M. L. L. W.	1,200.....	36.8.....	35 M. L. L. W.
Pearl Harbor.	1908	36.8 to 48.8...	35 to 47, M. L. L. W.	600 to 1,600...	36.8.....	35.
Guam.....	1898	23.2 to 103.2, outside of reef.	21 to 100 outside of reef.	Open road- stead.	Open road- stead.	Open roadstead.
Tutuila.....	1900	33 at steel wharf.	30 at steel wharf..	1,500.....	145.5, M. H. W.	143 M. L. W. (H. O. chart 2563.)
Cavite.....	1898	16.8 to 26.8, M. H. H. W.	13 to 23, M. L. L. W.	300, 20' chan- nel.	23.8, M. H. H. W.	20, M. L. L. W.
Polloc.....	1898	11.6.....	6 off end of wharf..	7,600.....	106.....	100, M. L. L. W.
Olongapo....	1903	36.8 to 92.8...	34 to 90.....	300.....	50.8.....	48.
Cebu.....	1898	13.1 to 64.1, M. H. H. W.	8 to 59, M. of se- lected L. L. W.	1,476.....	36.1 NE. ap- proach; 44.1 SW. approach, M. H. H. W.	31 NE. approach, 39 SW. approach, M. L. L. W.
Isabela.....	1898	22.2 to 71.....	20 to 69.....	900.....	35.2.....	33.
Culebra.....	1904	23 to 44.....	22 to 43.....	2,000.....	29.....	28.

<sup>1</sup> These depths show the water in the channel or anchorage in front of the yards. The depths at the wharves are not given.



**Table 42.—DISTANCES BY WATER BETWEEN NAVY YARDS AND STATIONS.**

[From navy yard to navy yard or station, commencing with Portsmouth, N. H., and going around to the Philippines.

Navy yard or station.	Nautical miles.	Navy yard or station.	Nautical miles.
Portsmouth to Boston.....	61	New York to Mare Island.....	<sup>1</sup> 13, 114
Boston to New York.....	290	Mare Island to Puget Sound.....	817
Boston to Newport.....	165	Puget Sound to Sitka (inside).....	966
Boston to Bradford) Narragansett Bay... {	170	Mare Island to Honolulu.....	2, 112
Newport to New London.....	49	Honolulu to Pearl Harbor.....	11
New London to New York.....	106	Honolulu to Guam.....	3, 337
New York to Philadelphia.....	231	Honolulu to Tutuila (Pago Pago).....	2, 263
Philadelphia to Washington.....	382	Guam to Cavite (via San Bernardino Strait).....	1, 506
Washington to Norfolk.....	174	Cavite to Olongapo.....	65
Norfolk to Charleston.....	432	Cavite to Polloc.....	642
Charleston to Port Royal.....	83	Cavite to Cebu.....	395
Port Royal to Key West.....	543	Cavite to Isabela.....	507
Key West to Pensacola (via West Channel).....	418	Philadelphia to Guantanamo.....	1, 322
Pensacola to New Orleans.....	223	Guantanamo to Colon.....	680
Key West to Guantanamo.....	591	New Orleans to Colon.....	1, 380
Guantanamo to San Juan.....	540	Panama to Pearl Harbor.....	4, 685
San Juan to Culebra.....	58	Pearl Harbor to Puget Sound.....	2, 366

<sup>1</sup> Via Panama Canal, 5,280 nautical miles.

Table 43. — UNITED STATES NAVAL DOCKS.

[Revised by Bureau of Yards and Docks, November, 1915.]

Yard or station.	Dock No.	Kind.	Material of which dock is constructed.	Class of maximum ship capable of being docked.	General dimensions.							
					Body of dock.					Entrance.		
					Length coping head to side of caisson.	Length on floor head to sill.	Width at coping.	Width top of keel blocks.	Depth mean high water blocks.	Width at coping.	Governing width 6 feet above sill.	Depth mean high water to sill.
Portsmouth.....	2	Dry dock.....	Granite and concrete	Utah.....	<i>Ft. in.</i> 740 10½	<i>Ft. in.</i> 718 10½	<i>Ft. in.</i> 130 0½	<i>Ft. in.</i> 83 ½	<i>Ft. in.</i> 30 2½	<i>Ft. in.</i> 101 9	<i>Ft. in.</i> 91 2	<i>Ft. in.</i> 30 2½
Boston.....	1	do.....	Granite.....	Raleigh.....	373 11½	357 1	86 1½	156 2	22 0	60 3	46 10½	25 1½
Do.....	2	do.....	Granite and concrete	Utah.....	738 1	729 0	114 0	186 0	30 0	101 8½	91 4½	30 0
New York.....	1	do.....	Granite.....	Monterey.....	349 1½	326 3½	98 1½	156 1½	22 1½	67 1½	47 6	25 4½
Do.....	2	do.....	Concrete.....	Missouri.....	447 8½	437 0	112 10½	148 1½	20 1½	89 3	75 6	24 11½
Do.....	3	do.....	Wood.....	Michigan.....	656 4½	624 9½	150 10½	74 9	24 3½	105 4½	77 0½	29 8½
Do.....	4	do.....	Granite and concrete	Largest, contemplated.	694 6	694 9	139 6	72 2	32 5	120 3½	112 0	35 5½
Philadelphia.....	1	do.....	Wood.....	Minneapolis.....	491 7½	459 10½	131 8½	58 7½	22 11½	86 0	57 9½	25 1½
Do.....	2	do.....	Granite and concrete	North Dakota.....	744 6½	731 10½	140 2½	97 0½	27 10½	102 7½	91 10	29 10½
Norfolk.....	1	do.....	Granite.....	Cheyenne.....	324 0½	303 0	86 3½	.....	25 1½	60 0½	.....	25 1½
Do.....	2	do.....	Wood.....	Minneapolis.....	490 4½	459 8	130 4	57 0	24 10½	85 0	58 8	25 6½
Do.....	3	do.....	Granite and concrete	Largest, contemplated.	722 11	732 0	136 0	98 1½	31 0½	112 5½	101 0	34 0½
Charleston.....	1	do.....	do.....	Utah.....	566 7½	548 0	134 0	96 2	31 1½	113 0½	101 11½	34 1½
Mare Island.....	1	do.....	Granite.....	Charleston.....	507 11½	459 1½	122 0	45 0	27 0	80 6½	61 0	26 3
Do.....	2	do.....	Granite and concrete	North Dakota.....	740 4½	729 10½	120 0	88 0	28 9½	101 11½	92 3½	30 3½
Puget Sound.....	1	do.....	Wood body, masonry entrance.	Michigan.....	636 11½	618 7½	130 1½	76 3½	28 0	92 8½	74 0	29 10½
Do.....	2	do.....	Granite and concrete	Largest, contemplated.	827 6	801 8	145 0	113 0	35 6	123 9½	114 4	38 0
Pearl Harbor.....	1	do.....	do.....	do.....	1,002 0	1,008 0	138 0	114 0	32 2½	123 0	114 4	34 8½
Polloc, P. I. <sup>3</sup> .....	1	do.....	Stone.....	Tug.....	110 0	.....	.....	.....	.....	30 0	.....	7 3½
New Orleans.....	1	Floating.....	Steel.....	Vermont.....	525 0	.....	100 0	.....	28 0	.....	.....	.....
Olongapo.....	1	do.....	do.....	Connecticut.....	500 0¾	.....	99 10½	.....	30 0	.....	.....	.....
Port Royal <sup>3</sup> .....	1	Dry dock.....	Wood.....	Olympia.....	485 0	.....	126 0	59 0	26 0	97 0	70 0	26 0

Yard or station.	Dock No.	History of construction.			Channel from dockyard to sea.			
		Date of commencement.	Date completed.	Cost to date of completion.	Mean rise and fall of tide. <sup>4</sup>	Controlling depth yard to sea mean low water. <sup>4</sup>	Controlling width yard to sea.	Maximum draft ship for channel at mean low water. <sup>5</sup>
Portsmouth.....	2	1899	1906	\$1,122,805.59	<i>Feet.</i> 7.8	<i>Feet.</i> 36	<i>Feet.</i> 500	Maximum draft ship for channel at mean high water. <sup>6</sup>
Boston.....	1	1827	1833	972,717.29	9.6	35	540	Largest contemplated.
Do.....	2	1899	1905	1,100,000.00	9.6	35	540	Do.
New York.....	1	1841	1851	2,003,498.05	4.2	30	450	Do.
Do.....	2	1887	1901	1,191,821.76	4.2	30	450	Do.
Do.....	3	1893	1897	1,554,707.08	4.2	30	450	Do.
Do.....	4	1905	1913	2,500,000.00	4.2	30	450	Do.
Philadelphia.....	1	1889	1891	548,700.00	5.9	24.5	600	Pennsylvania.
Do.....	2	1899	1908	1,471,570.67	5.9	24	600	Do.
Norfolk.....	1	1827	1834	943,675.00	2.8	35	450	Largest contemplated.
Do.....	2	1887	1889	504,980.76	2.8	35	450	Do.
Do.....	3	1903	1911	\$1,728,965.93	2.8	35	450	Do.
Charleston.....	1	1902	1908	1,250,000.00	5.2	22	300	Michigan.
Mare Island.....	1	1872	1891	2,772,332.08	4.8	22	300	Georgia.
Do.....	2	1896	1910	1,679,635.80	4.8	24	300	Do.
Puget Sound.....	1	1892	1896	632,636.33	7.8	34	984	Largest contemplated.
Do.....	2	1908	1913	2,300,000.00	7.8	34	984	Do.
Pearl Harbor.....	1	1909	(?)	.....	1.2	35	600	Do.
Polloc, P. I. <sup>2</sup> .....	1	1899	1902	809,712.52	4.8	100	18,000	Do.
New Orleans.....	1	1893	1905	1,170,792.68	.....	28	200	Delaware.
Olongapo.....	1	1903	1905	521,599.89	4.0	30	2,500	Largest contemplated.
Port Royal <sup>3</sup> .....	1	.....	1895	.....	7.0	27	200	Do.

<sup>1</sup> Maximum.<sup>2</sup> Minimum.<sup>3</sup> Out of commission or abandoned.<sup>4</sup> Data for these columns based upon hydrographic letter 45005-16248 of Nov. 28, 1910, with recent corrections. (Furnished by Bureau of Yards and Docks.)<sup>5</sup> 12-inch clearance under keel.<sup>6</sup> Contract price dock complete.<sup>7</sup> Under construction.



Table 44.—UNITED STATES NAVAL MARINE RAILWAYS.

Name of navy yard or naval station.	Length.	Capacity.	Name of navy yard or naval station.	Length.	Capacity.
	<i>Feet.</i>	<i>Tons.</i>		<i>Feet.</i>	<i>Tons.</i>
Washington, D. C. ....	493	493	Cavite No. 1. ....	305	500
Norfolk, Va. ....	300	150	Cavite No. 2. ....	230	30
Key West, Fla. ....	648	750	Cavite No. 3. ....	210	25
San Juan, P. R. ....	65	6			

Table 45.—NAVY FUEL.

The necessity for maximum steaming radius and compact design in boilers with limited combustion spaces requires that special care be exercised in the selection of suitable coals for naval use afloat. An acceptable list of mines known to produce coal which is satisfactory for the purpose is kept, and in addition to the general characteristics of the mine from which the coal is furnished being known each delivery must meet the following specifications:

Coal to be best quality steaming, semibituminous, run of mine, with at least 40 per cent lump, suitable and acceptable for the uses of the naval service.

Coal must be dry and practically free from slate, dirt, sulphur, and other impurities, subject to the usual inspection and test, and must weigh 2,240 pounds per ton, the weight to be determined in a manner satisfactory to the Government.

With reference to the quality of fuel oil and gasoline required for the naval service, the following specifications are furnished:

#### FUEL OIL.

(a) Fuel<sup>o</sup> oil shall be a hydrocarbon oil of best quality, free from grit, acid, and of fibrous and other foreign matter likely to clog or injure the burners or valves.

(b) The unit of quantity to be the barrel of 42 gallons of 231 cubic inches at a standard temperature of 60° F. For every variation of temperature of 10° F. from the standard 0.4 of 1 per cent shall be added or deducted from the measured or gauged quantity for correction.

(c) Flash point never under 150° F. as a minimum (Abel or Pennsky-Marten's closed cup), or 175° F. (Tagliabue open cup), and not lower than the temperature at which the oil has a viscosity of 8 Engler (water=1 Engler). (Example: If an oil has a viscosity of 8 Engler when heated to 186° F., then 186° F. is the minimum flash point at which this oil will be accepted.)

(d) Viscosity at 100° F. not greater than 200 Engler.

(e) Water and sediment not over 1 per cent. If in excess of 1 per cent, the excess to be subtracted from the volume; or the oil may be rejected.

NOTE.—If an Engler viscosimeter is not available, the Saybolt standard universal viscosimeter may be used, and 280 seconds Saybolt will be considered equivalent to 8 Engler, and 7,000 seconds Saybolt will be considered equivalent to 200 Engler. Water at 60° F.=30 seconds Saybolt.

#### GASOLINE.

To be of a high grade, refined, and free from all impurities. No natural-gas gasolines will be accepted, nor will they be mixed with any gasoline submitted for acceptance.

During the fiscal year 1915 (from July 1, 1914, to June 30, 1915) there was consumed by vessels of the Navy 890,674 tons of coal, 521,382 barrels of fuel oil, and 633,243 gallons of gasoline. The quantities of fuel consumed afloat during the fiscal years beginning 1906 are shown in the table following.

Table 46.—CONSUMPTION OF FUEL IN FISCAL YEARS 1906 TO 1915, INCLUSIVE.

Years.	Coal.	Fuel oil.	Gasoline.
	<i>Tons.</i>	<i>Barrels.</i>	<i>Gallons.</i>
1906.....	436,654	.....	.....
1907.....	521,990	.....	.....
1908.....	618,085	.....	.....
1909.....	813,615	.....	.....
1910.....	651,241	.....	.....
1911.....	744,423	137,587	.....
1912.....	729,903	336,826	.....
1913.....	658,813	361,783	.....
1914.....	714,834	438,539	454,783
1915.....	890,674	521,382	633,243

Table 47.—FUEL ORDERED DURING FISCAL YEAR 1915.

	Coal.		Fuel oil.		Gasoline.	
	Tons.	Value.	Barrels.	Value.	Gallons.	Value.
Under contract.....	852,029.17	\$2,469,696.32	.....	.....	.....	.....
Ships' purchases.....	62,016.38	406,200.58	<sup>1</sup> 27,463.81	\$27,754.73	<sup>1</sup> 288,710	\$45,458.11
Atlantic coast stations.....	.....	.....	700,940.75	729,347.80	431,572	53,422.76
Pacific coast and Honolulu....	.....	.....	203,035.63	171,242.42	90,194	16,833.39
Total.....	914,045.55	2,875,896.90	931,440.19	928,344.95	810,476	115,714.26

<sup>1</sup> Ordered under contract or purchased in open market.

NOTE.—Values given in this table do not include the cost of transportation, handling charges, etc., required in connection with the delivery of coal to the various depots.

Table 48.—DELIVERIES OF COAL FROM PRINCIPAL SHORE STATIONS DURING FISCAL YEAR 1915.

(Including issues for yard and other purposes.)

## ATLANTIC STATIONS.

Yards and stations.	Tons.	Value.
Portsmouth.....	24,692.79	\$79,771.89
Boston.....	50,289.87	174,727.39
Melville.....	34,815.00	106,243.93
New London.....	190.00	559.76
New York.....	88,043.29	282,495.30
Philadelphia.....	<sup>1</sup> 105,210.45	298,328.45
Washington.....	31,075.13	97,173.45
Annapolis.....	20,681.56	64,655.30
Norfolk.....	<sup>1</sup> 278,082.41	744,734.83
Charleston.....	16,075.68	63,534.30
Pensacola.....	496.12	1,465.39
Key West.....	15,335.15	62,113.98
New Orleans.....	698.00	2,073.06
Port Royal.....	3,921.00	17,505.10
Guantanamo.....	42,088.00	138,228.71
Frenchmans Bay.....	18.00	64.03
Total, Atlantic stations.....	711,712.45	2,133,674.92

## PACIFIC AND MID-PACIFIC STATIONS.

San Diego.....	24,951.30	\$201,041.52
Tiburon.....	82,443.70	751,532.04
Mare Island.....	11,724.00	104,924.90
Honolulu—Pearl Harbor.....	19,123.12	177,252.93
Sitka.....	915.20	10,278.59
Puget Sound.....	21,430.23	195,709.94
Tutuila.....	1,830.40	17,015.52
Guam.....	5,304.83	37,667.28
Total, Pacific and mid-Pacific stations.....	167,722.78	1,495,422.77

## ASIATIC STATIONS.

Yokohama.....	1,718.00	\$7,748.41
Cavite.....	<sup>1</sup> 47,717.49	354,657.10
Olongapo.....	27,190.22	169,964.31
Total, Asiatic stations.....	76,625.71	532,369.82

## RECAPITULATION.

Atlantic stations.....	711,712.45	\$2,133,674.92
Pacific and mid-Pacific stations.....	167,722.78	1,495,422.77
Asiatic stations.....	76,625.71	532,369.82
Grand total, all stations.....	956,060.94	4,161,467.51

<sup>1</sup> Includes cargoes delivered to naval colliers for vessels of fleet.



Table 49.—STEAMING COAL ON HAND AT NAVY YARDS AND NAVAL STATIONS JUNE 30, 1915; ALSO THE NORMAL CAPACITY OF EACH STATION.

Yards and stations.	Tons.	Value.	Normal capacity.
			<i>Tons.</i>
Annapolis.....	2,468.15	\$7,343.17	1,600
Boston.....	6,479.46	20,844.40	10,000
Cavite.....	12,945.41	88,616.67	105,800
Charleston.....	2,758.96	10,815.74	5,000
Guam.....	2,405.22	14,551.61	7,700
Guantanamo.....	11,456.00	54,970.88	21,000
Honolulu—Pearl Harbor.....	61,492.13	540,515.85	200,000
Key West.....	7,996.50	36,262.39	12,706
Mare Island.....	9,786.00	183,687.34	18,600
Melville.....	28,821.00	81,370.24	42,000
New London.....	3,374.00	9,940.21	7,443
New Orleans.....	2,930.00	8,702.10	4,464
New York.....	4,099.32	12,642.71	8,925
Norfolk.....	3,682.00	10,520.43	13,500
Olongapo.....	9,286.47	30,671.93	15,000
Pensacola.....	919.99	2,847.76	4,985
Philadelphia.....	3,051.04	8,902.44	4,259
Pichilinquí Bay.....	700.00	6,853.29	8,928
Port Royal.....	1,099.00	4,461.94	5,000
Portsmouth, N. H.....	9,275.74	35,797.61	37,000
Puget Sound.....	31,064.70	283,455.43	75,000
San Diego.....	6,469.00	63,312.01	39,491
Sitka.....	3,153.50	33,661.74	6,662
Tiburón.....	114,981.00	999,198.92	130,000
Tutuila.....	3,225.72	28,649.55	7,186
Washington.....	5,491.26	17,147.21	5,000
Yokohama.....	7,643.00	59,441.48	8,500
Total.....	357,054.57	2,565,183.05	.....

Table 50.—SHIPMENTS OF COAL IN CHARTERED VESSELS DURING THE FISCAL YEARS 1914 AND 1915.  
FISCAL YEAR 1914.

Contractor.	Vessels.		Destination.	Tons shipped.	Cost of trans- portation.	Place of coaling.	Date.
	Name.	Nationality.					
J. S. Winslow & Co.	Elizabeth Palmer	American schooner	Boston, Mass.	4,809.50	\$0.75	Lamberts Point, Va.	Dec. 12 1913
Cons. Coal Co.	Barge No. 8	American	do.	1,337.55	.55	Baltimore	Apr. 11, 1914
Do.	Barge No. 9	do.	do.	1,385.75	.55	do.	Do.
Wittenberg Coal Co.	Harnatis	British steamship	Cavite-Olongapo	1,369.65	6.37	do.	Sept. 16, 1913
U. S. Shipping Co.	Madawaska	do.	do.	7,815	6.33	Lamberts Point, Va.	Oct. 21, 1913
Houlder, Weir & Boyd	U. S. Shipping Co.	British	do.	6,310.75	3.08	Baltimore	Apr. 23, 1914
U. S. Shipping Co.	Swanley	do.	do.	6,289.50	3.96	Lamberts Point, Va.	May 4, 1914
Wittenberg Coal Co.	Harbury	do.	do.	6,895	4.19	do.	May 3, 1914
U. S. Shipping Co.	Cranley	do.	do.	6,415	4.14	Baltimore	June 3, 1914
D. B. Dearborn & Co.	John Ena	American	Honolulu, Hawaii.	3,315	6.00	do.	Nov. 26, 1913
Geo. R. Dilkes & Co.	San Mateo	do.	Key West, Fla.	4,029	1.70	Sewells Point, Va.	Apr. 29, 1914
J. S. Winslow & Co.	Fannie Palmer	American schooner	do.	3,303	1.25	do.	May 22, 1914
Crowell & Thurlow	Horace A. Stone	do.	Port Royal, S. C.	1,856	1.23	Lamberts Point, Va.	Sept. 10, 1913
J. S. Winslow & Co.	Henry S. Kreger	do.	do.	1,854	.83	do.	Feb. 2, 1914
Cons. Coal Co.	Barge No. 19	American	Portsmouth, N. H.	1,500	.70	Baltimore	Jan. 30, 1914
Do.	Barge No. 21	do.	do.	2,171.70	.63	do.	Apr. 25, 1914
Do.	Barge No. 21	do.	do.	1,569.55	.63	do.	Do.
Do.	Barge No. 12	do.	do.	1,866.15	.63	do.	Apr. 27, 1914
Balfour, Williamson & Co.	Kinross	British steamship	Puget Sound, Wash.	6,618	4.74	Lamberts Point, Va.	Dec. 21, 1913
Golden Gate Transportation Co.	Queen Eugenie	do.	do.	5,618.50	3.50	do.	Feb. 25, 1914
A. Sewell & Co.	Wm. P. Frye	American sail	do.	5,051.30	5.50	Baltimore	Apr. 6, 1914
Wittenberg Coal Co.	Harpathan	British steamship	San Diego, Cal.	7,383	6.90	Lamberts Point, Va.	July 24, 1913
Benham & Boyesen	Strathorne	do.	do.	5,524.50	3.40	do.	Jan. 1, 1914
Houlder, Weir & Boyd	Lord Darnley	do.	do.	5,419	3.60	do.	June 13, 1914
Golden Gate Transportation Co.	Queen Helena	do.	do.	5,306	3.42	do.	June 15, 1914
Do.	Vestalia	do.	do.	6,443.50	3.42	do.	June 16, 1914
Wittenberg Coal Co.	Harlow	do.	Tyburn, Cal.	9,554	7.00	Baltimore	June 10, 1913
Golden Gate Transportation Co.	Strathord	do.	do.	5,687.05	3.50	do.	June 18, 1913
Do.	Havthhead	do.	do.	5,729	3.50	Lamberts Point, Va.	May 5, 1914
Benham & Boyesen	Strathber	do.	do.	5,679.65	3.39	Baltimore	May 12, 1914
Do.	Strathleven	do.	do.	5,710	3.39	Lamberts Point, Va.	May 23, 1914
Golden Gate Transportation Co.	Cape Ortega	do.	do.	6,054.50	3.50	do.	June 13, 1914

## RECAPITULATION.

Station.	Total tonnage shipped.	Total cost of transportation.	Average cost of transportation.
Boston.....	9,512.45	\$6,193.75	\$0.651
Cavite—Olongapo.....	41,142.25	268,706.00	5.024
Honolulu—Hawaii.....	3,315	19,890.00	6.00
Ker West, Fla.....	7,531	11,225.45	1.49
Port Royal, S. C.....	3,850	4,070.90	1.057
Portsmouth, N. H.....	6,837.40	4,519.32	0.66
Puget Sound, Wash.....	16,712.80	76,090.72	4.552
San Diego, Cal.....	30,056	134,804.19	4.485
Tiburon, Cal.....	38,414.20	169,635.84	4.337
Grand total.....	157,371.10	630,136.17	4.004



Table 50.—SHIPMENTS OF COAL IN CHARTERED VESSELS DURING THE FISCAL YEARS 1914 AND 1915—Continued.

FISCAL YEAR 1915.

Contractor.	Vessels.		Destination.	Tons shipped.	Cost of transportation.	Place of coaling.	Date loaded.
	Name.	Nationality.					
Darrow Mann Co.....	Harwood Palmer.....	American schooner.....	Boston, Mass.....	4,483	\$0.74	Sewalls Point, Va.....	Dec. 1, 1914
Do.....	M. L. Urann.....	do.....	do.....	2,909	.59	do.....	Jan. 1, 1915
Do.....	E. B. Sutton.....	Barge.....	do.....	2,736	.59	do.....	Jan. 9, 1915
J. H. Weaver & Co.....	Beat Ridge.....	do.....	do.....	1,498	.75	Philadelphia, Pa.....	Jan. 25, 1915
Do.....	Paxinos.....	do.....	do.....	1,535	.75	do.....	Jan. 26, 1915
Do.....	Saucon.....	do.....	do.....	1,496	.75	do.....	Do.
Do.....	Marion.....	do.....	do.....	1,487	.75	do.....	Jan. 27, 1915
Casner, Curran & Bullitt.....	J. B. Walker.....	do.....	do.....	3,210	.66	Lamberts Point, Va.....	Feb. 28, 1915
Do.....	Old Dominion.....	do.....	do.....	2,834	.66	do.....	Mar. 1, 1915
Do.....	Wm. F. Babcock.....	do.....	do.....	3,370	.66	do.....	Apr. 9, 1915
Do.....	J. B. Walker.....	do.....	do.....	3,322	.66	do.....	Apr. 20, 1915
Wittenberg Coal Co.....	Harbin.....	British steamship.....	Cavite-Olongapo.....	8,443.50	3.43	do.....	July 2, 1914
Do.....	Harbury.....	do.....	do.....	7,005.50	3.41	do.....	Dec. 2, 1914
Do.....	Fred A. Davenport.....	do.....	do.....	6,919	7.50	do.....	Sept. 3, 1914
Crowell & Thurlow.....	Margaret Thomas.....	American schooner.....	Guantanamo, Cuba.....	1,009	2.50	Philadelphia, Pa.....	Jan. 29, 1915
Bervind-White Coal Mining Co.....	Wm. E. Burnham.....	do.....	do.....	1,850	3.00	do.....	Feb. 12, 1915
Do.....	do.....	do.....	do.....	1,082	2.35	Newport News, Va.....	Feb. 20, 1915
Casner, Curran & Bullitt.....	Edw. J. Lawrence.....	do.....	do.....	5,229	2.49	Lamberts Point, Va.....	Mar. 13, 1915
Smith & Terry, Inc.....	Henry S. Little.....	do.....	do.....	1,606	2.75	Philadelphia, Pa.....	Mar. 19, 1915
G. G. Deering Co.....	F. & T. Lurion.....	do.....	do.....	3,017	2.85	do.....	Apr. 10, 1915
Smith & Terry, Inc.....	Mount Hope.....	do.....	Key West, Fla.....	1,279	2.75	do.....	Apr. 22, 1915
Pendleton Bros. Inc.....	Alice B. Crosby.....	do.....	do.....	1,357	2.25	do.....	Feb. 16, 1915
Peachontas Fuel Co.....	Brina P. Pendleton.....	do.....	do.....	1,717	2.17	Lamberts Point, Va.....	Feb. 20, 1915
Do.....	Major Pickands.....	do.....	do.....	1,197	2.17	do.....	Mar. 2, 1915
Do.....	Jacob Luckenbach.....	American steamship.....	do.....	1,475.50	2.17	do.....	Mar. 3, 1915
Geo. R. Dilkes & Co.....	D. N. Luckenbach.....	do.....	do.....	3,383	1.60	Newport News, Va.....	Mar. 9, 1915
Peachontas Fuel Co.....	Henry O. Barrett.....	American schooner.....	Port Royal, S. C.....	3,535	1.60	do.....	May 20, 1915
Wm. C. Atwater & Co.....	Percy Birdsell.....	do.....	do.....	2,523	1.52	Lamberts Point, Va.....	Sept. 9, 1914
Casner, Curran & Bullitt.....	Wm. F. Babcock.....	Barge.....	Portsmouth, N. H.....	1,489	.65	do.....	Mar. 3, 1915
Do.....	Washington.....	do.....	do.....	3,258.50	.82	do.....	Feb. 18, 1915
Do.....	Helen W. Martin.....	American schooner.....	do.....	2,490	.82	do.....	Feb. 19, 1915
Crowell & Thurlow.....	Henry O. Barrett.....	do.....	do.....	3,390	.82	do.....	Feb. 20, 1915
Do.....	Alice M. Colburn.....	do.....	do.....	2,707	1.05	Philadelphia, Pa.....	Mar. 3, 1915
W. R. Grace & Co.....	Wm. O'Brien.....	American steamship.....	Puget Sound, Wash.....	2,452	1.05	do.....	Mar. 18, 1915
Do.....	St. Helens.....	do.....	San Diego, Cal.....	5,459	6.35	do.....	June 19, 1915
Funch Edye & Co.....	Egyptian Transport.....	British steamship.....	do.....	1,813	6.35	do.....	Feb. 22, 1915
D. B. Dearborn & Co.....	Vetura.....	American steamship.....	do.....	7,302	6.46	Lamberts Point, Va.....	May 20, 1915
American Hawaiian S. S. Co.....	Arizonan.....	do.....	Tiburon, Cal.....	7,701	5.50	do.....	June 19, 1915
				11,183	5.50	do.....	Aug. 4, 1914

American Trading Co.	Vimeira	British steamship	do.	8,421.50	3.35	do.	Sept. 19, 1914
D. B. Dearborn & Co.	Francis Hanly	American steamship	do.	3,193	4.95	Sewalls Point, Va.	Dec. 24, 1914
Do.	Lewis K. Thurlow	do.	do.	4,248	4.95	Newport News, Va.	Jan. 6, 1915
Do.	Jno. A. Hooper	do.	do.	2,918	4.95	Lamberts Point, Va.	Jan. 21, 1915
Golden Gate Transport Co.	Olson & Mahoney	do.	do.	1,828	4.74	Newport News, Va.	Jan. 22, 1915
W. R. Grace & Co.	Cacique	do.	do.	8,303	7.50	do.	Jan. 26, 1915
Do.	Wm. Chatham	do.	do.	1,936	7.00	do.	Feb. 28, 1915
Do.	Edgar H. Vance	do.	do.	2,227	6.50	Philadelphia, Pa.	Mar. 11, 1915
Houlder, Weir & Boyd	Strathesk.	British steamship	do.	6,595	6.50	Newport News, Va.	Mar. 31, 1915
W. R. Grace & Co.	St. Helens	American steamship	do.	1,941	6.50	do.	May 16, 1915
D. B. Dearborn & Co.	Alvarado	do.	do.	1,774	6.95	do.	May 18, 1915
W. R. Grace & Co.	Columbia	do.	do.	2,164	6.50	Philadelphia, Pa.	May 19, 1915
Do.	Colusa	do.	do.	6,986	6.50	Newport News, Va.	Do.
Lukenbach S. S. Co.	Hattie Lukenbach	do.	do.	6,169	6.50	Lamberts Point, Va.	May 27, 1915
D. B. Dearborn & Co.	Thor	Norwegian steamship	do.	7,228	7.00	Newport News, Va.	May 30, 1915
W. R. Grace & Co.	Wm. Chatham	American steamship	do.	1,916	6.50	do.	June 10, 1915
Funch Edve & Co.	Highbury	British steamship	do.	7,450	8.00	Lamberts Point, Va.	June 18, 1915
W. R. Grace & Co.	Stanley Dollar	American steamship	do.	1,955	6.50	Newport News, Va.	June 29, 1915
U. S. Shipping Co.	St. Fillans	British steamship	Yokohama, Japan.	5,559.30	3.97	Baltimore, Md.	July 16, 1914

## RECAPITULATION.

Station.	Total tonnage shipped.	Total cost transportation.	Average cost transportation.
Boston	28,880	\$19,565.73	\$0.677
Cavite—Olongapo	22,368	104,742.47	4.682
Guantanamo	15,072	40,167.61	2.665
Key West	12,664.50	23,647.27	1.867
Port Royal	4,012	4,802.81	1.197
Portsmouth, N. H.	14,297.50	12,910.52	.902
Puget Sound	5,459	34,664.65	6.35
San Diego	16,816	113,768.92	6.765
Tiburon	88,445.50	527,874.60	5.968
Yokohama	5,559.30	22,070.42	3.97
Grand total.	213,573.80	904,215.00	4.233

Table 51.—PANAMA CANAL STATISTICS.

Length from deep water to deep water.....	miles..	50
Length on land.....	do.	41½
Bottom width of channel, maximum.....	feet..	1, 000
Bottom width of channel, minimum, 9 miles, Culebra Cut.....	do....	300
Locks, in pairs.....		12
Locks, usable length.....	feet..	1, 000
Locks, usable width.....	do....	110
Gatun Lake, area.....	square miles..	164
Gatun Lake, channel depth.....	feet..	85 to 45
Excavation, estimated total.....	cubic yards..	<sup>1</sup> 241, 286, 363
Excavation, amount accomplished Sept. 1, 1915.....	do....	<sup>1</sup> 237, 351, 929
Excavation by the French.....	do....	78, 146, 960
Excavation by the French, useful to present canal.....	do....	29, 908, 000
Concrete, total estimated for canal.....	do....	5, 208, 000
Time of transit through completed canal.....	hours..	10 to 12
Time of passage through locks.....	do....	3
Relocated Panama Railroad, estimated cost.....		\$9, 000, 000
Relocated Panama Railroad, length.....	miles..	47. 1
Canal Zone, area (about).....	square miles..	436
French buildings, number acquired.....		2, 150
French buildings, number used.....		1, 537
French buildings, net value when acquired.....		\$1, 959, 203
Value of utilized French equipment and scrap sold.....		\$2, 112, 063
Canal force (Maximum) actually at work Mar. 26, 1913.....		39, 089
Canal force, Americans (maximum), actually at work Mar. 26, 1913....		5, 326
Canal force actually at work Sept. 23, 1915.....		23, 761
Canal force, Americans, Sept. 23, 1915.....		3, 600
Cost of canal, estimated total.....		\$375, 000, 000
Work begun by Americans.....		May 4, 1914
Date of opening.....		<sup>2</sup> Aug. 15, 1914

## THE LOCKS.

There are six double locks in the canal—three pairs in flight at Gatun, with a combined lift of 85 feet; one pair at Pedro Miguel, with a lift of 30½ feet; and two pairs at Miraflores, with a combined lift of 54½ feet at mean tide. The dimensions of all are the same—a usable length of 1,000 feet and a usable width of 110 feet. Each lock is a chamber, with walls and floor of concrete and water-tight gates at each end.

## OTHER INFORMATION.

No vessel is permitted to enter or pass through the locks under its own power. Electricity is used to tow all vessels into and through the locks and to operate all gates and valves, power being generated by water turbines from the head created by Gatun Lake.

The entire length of the canal from deep water in the Atlantic to deep water in the Pacific is about 50 miles. Its length on land is about 41½ miles.

In passing through from the Atlantic to the Pacific a vessel enters a channel with a bottom width of 500 feet in Limon Bay, follows this for about 7 miles to Gatun, where it enters a series of three locks in flight and is lifted 85 feet to the level of Gatun Lake. It can sail at full ocean speed through this lake, in a channel varying from 1,000 to 500 feet in width, for a distance of about 24 miles, to Bas Obispo, where it enters the Culebra Cut. It then sails through the cut, a distance of about 9 miles, in a channel with a bottom width of 300

<sup>1</sup> Exclusive of usable French excavation; also exclusive of additional excavation made necessary by slides since July 1, 1915.

<sup>2</sup> This is the date the canal was opened to commerce for vessels not requiring more than 30 feet of water, this being the depth of channel over Cucaracha slide at that time.



feet, to Pedro Miguel. There it enters a lock and is lowered 30½ feet to a small lake, at an elevation of 54½ feet above sea level, and sails through this for about 1½ miles, to Miraflores. There it enters two locks in series and is lowered to sea level, passing out into the Pacific through a channel about 8½ miles in length, with a bottom width of 500 feet. The depth of the approach channel in the Atlantic side, where the tidal oscillation does not exceed 1½ feet, is 41 feet at mean tide; and on the Pacific side, where the maximum oscillation is 23 feet, the depth is 45 feet at mean tide.

The following statement shows the appropriations thus far made by Congress for the fortification of the Panama Canal:

Sundry civil act approved Mar. 4, 1911:		
Seacoast batteries.....	\$2, 000, 000. 00	
Seacoast cannon.....	1, 000, 000. 00	
		\$3, 000, 000. 00
Sundry civil act approved Aug. 24, 1912:		
Survey of Canal Zone.....	50, 000. 00	
Causeway.....	150, 000. 00	
Seacoast batteries.....	1, 000, 000. 00	
Submarine mine structures.....	220, 200. 00	
Field fortifications and camps.....	200, 000. 00	
Armament of fortifications.....	500, 000. 00	
Ammunition for seacoast cannon.....	575, 000. 00	
Submarine mines.....	111, 750. 00	
		2, 806, 950. 00
Sundry civil act approved June 23, 1913:		
Surveys.....	12, 000. 00	
Purchase of land.....	50, 000. 00	
Seacoast batteries.....	2, 365, 000. 00	
Electric light and power plants.....	173, 000. 00	
Searchlights.....	285, 000. 00	
Sanitary clearing.....	210, 000. 00	
Armament of fortifications.....	1, 000, 000. 00	
Seacoast cannon.....	575, 000. 00	
Fire control.....	200, 000. 00	
		4, 870, 000. 00
Sundry civil act approved Nov. 1, 1914:		
Electric light and power plant.....	33, 550. 00	
Buildings and material.....	57, 375. 00	
Maintenance of clearings and trails.....	21, 900. 00	
Ammunition for seacoast and land-defense cannon..	233, 000. 00	
Alteration, maintenance, and installation of sea-coast artillery.....	26, 000. 00	
Alteration, maintenance, and repair of submarine mine matériel.....	2, 700. 00	
Fire control.....	50, 000. 00	
Construction of barracks, quarters, storehouses, etc..	700, 000. 00	
		1, 124, 525. 00
Sundry civil act approved Mar. 3, 1915:		
Electric light and power plants.....	3, 081. 00	
Searchlights.....	79, 666. 00	
Clearings and trails.....	45, 000. 00	
Protection, preservation, and repair of fortifications.....	15, 000. 00	
Maintenance and repair of searchlights, etc.....	7, 500. 00	
Reserve equipment for fortifications.....	50, 000. 00	
Purchase, manufacture, and test of ammunition...	733, 000. 00	
Alteration, maintenance, and installation of sea-coast artillery.....	30, 000. 00	
Alteration, maintenance, and repair of submarine mine matériel.....	2, 500. 00	
Fire control.....	383, 301. 30	
Continuing construction of barracks, quarters, storehouses, etc.....	1, 290, 000. 00	
		2, 639, 048. 30
		14, 440, 523. 30

Table 52.—SUEZ CANAL STATISTICS.

The Suez Canal was constructed and is controlled and operated by a French company. The British Government owns somewhat less than one-half the shares. These were purchased from the Khedive of Egypt in 1875.

Without locks, connecting the Mediterranean with the Red Sea, opened for navigation November 17, 1869.

Cost, with improvements to date, about \$127,000,000.

Length of canal from High Lighthouse at Port Said to its junction with the Red Sea, about 87 nautical miles (66 miles actual canal and 21 miles lakes).

Width of the floor (originally 72 feet) by 1908 had been increased to 121 feet throughout, and is now being widened under a program calling for a minimum width of 134 feet 6 inches.

Depth throughout main navigable channel (originally 26 feet) now 32 feet 9 inches, admitting vessels of 28 feet draft. Dredging now going on, and it is proposed by 1915 to obtain a depth of 36 feet throughout, which will afford a safe passage through to vessels up to 32 feet draft. The extensive improvements are being paid for mainly from current revenues.

Time of transit ordinarily is 16 hours 11 minutes, but depends entirely upon circumstances, as the vessel is in charge of an official of the company, who determines the hour of departure of each ship and all subsequent stopping and starting, as well as all other movements of the ship, in such manner as to give full security to navigation, as well as to insure as rapid passage of mail steamers as practicable.

No ship can demand as a right an immediate passage through.

Vessels proceed under their own steam.

Passenger tolls have remained unchanged at 10 francs (\$1.93) for an adult. Vessel tolls have been reduced from time to time since 1874, when the maximum rate of 13 francs (\$2.51) per ton net register was put in force. On January 1, 1913, the rate became 6.25 francs (\$1.20) per net ton for loaded vessels. Vessels in ballast pay 2.50 francs less per ton.

*Gross receipts.*

1912.....	139,922,639.23 francs (\$27,005,069.37)
1913.....	129,925,949 francs (\$25,075,708.15)
1914.....	125,121,237.54 francs (\$24,148,398.84)

*Number of vessels and tonnage.*

	Vessels.	Tonnage.
1911.....	4,969	18,324,794
1912.....	5,373	20,275,120
1913.....	5,085	20,033,884
1914.....	4,802	19,409,495

## Part 5, PERSONNEL.

Table 53.—AVERAGE NUMBER OF OFFICERS AND ENLISTED MEN FISCAL YEAR 1915.

Rank or rating.	Average number in grade.	Average rate.	Total credited as pay to the rank or grade.
<b>ACTIVE.</b>			
<i>Line officers.</i>			
Admiral of the Navy.....	1.0	\$13,500.00	\$13,500.00
Admiral of the Fleet.....	1.0	10,000.00	8,458.31
Vice Admiral of the Fleet.....			
Chiefs of bureaus, rear admirals.....	3.0	6,000.00	18,000.00
Rear admirals, first nine.....	11.8	8,130.20	96,047.75
Rear admirals, second nine.....	11.9	6,269.89	74,686.38
Commodores.....			
Captains.....	85.4	5,200.80	443,998.96
Judge advocate general, captain.....	1.0	5,000.00	5,000.00
Commanders.....	112.2	4,753.70	533,852.49
Lieutenant commanders.....	196.2	4,142.73	815,465.82
Lieutenants.....	353.6	3,171.42	1,119,385.62
Lieutenants (junior grade).....	388.1	2,467.31	958,658.31
Ensigns.....	706.3	2,013.79	1,420,264.86
Midshipmen.....	894.5	600.00	536,690.02
<i>Medical Corps.</i>			
Chief of bureau, rear admiral.....	1.0	6,000.00	6,000.00
Medical directors, captain.....	16.8	5,000.00	83,802.82
Medical inspectors, commander.....	12.7	4,617.31	59,251.25
Surgeons, lieutenant commander.....	90.0	4,170.25	365,345.22
Passed assistant surgeons, lieutenant.....	137.5	3,073.29	421,478.34
Assistant surgeons, lieutenant (junior grade).....	40.4	2,222.53	90,663.10
Acting assistant surgeons, lieutenant (junior grade).....	20.4	2,235.97	45,699.59
Assistant surgeons, Reserve Corps, lieutenant (junior grade).....	38.0	2,031.85	77,927.83
Acting assistant dental surgeons, lieutenant (junior grade).....	26.6	2,158.71	58,107.59
Assistant dental surgeon, Naval Academy, lieutenant (junior grade).....	1.0	2,400.00	2,400.00
<i>Pay Corps.</i>			
Chief of bureau, rear admiral.....	1.0	6,000.00	6,000.00
Paymaster general, rear admiral.....	1.0	6,000.00	6,000.00
Pay directors, captain.....	12.0	5,000.00	60,350.04
Pay inspectors, commander.....	13.3	4,802.32	63,455.08
Paymasters, lieutenant commander.....	79.6	4,116.15	328,857.87
Paymasters, lieutenant.....	7.4	3,185.34	23,515.53
Passed assistant paymasters, lieutenant.....	52.7	3,101.55	163,404.87
Passed assistant paymasters, lieutenant (junior grade).....	10.7	2,378.87	25,361.77
Assistant paymasters, lieutenant (junior grade).....	10.1	2,450.27	24,740.29
Assistant paymasters, ensign.....	30.0	2,035.74	62,204.99
<i>Chaplains.</i>			
Chaplains, captain.....	3.2	4,178.11	13,658.46
Chaplains, commander.....	7.0	4,262.09	29,853.57
Chaplains, lieutenant commander.....	5.1	4,153.66	21,066.04
Chaplains, lieutenant.....	2.5	3,456.31	8,511.08
Chaplains, lieutenant (junior grade).....	7.0	2,397.79	16,662.81
<i>Professors of mathematics.</i>			
Professors of mathematics, captain.....	3.0	5,000.00	15,000.00
Professors of mathematics, commander.....	6.0	4,503.42	27,241.25
Professors of mathematics, lieutenant commander.....	1.0	3,900.00	3,600.00
Professors of mathematics, lieutenant.....	6.0	2,929.04	17,560.66
Professors of mathematics, lieutenant (junior grade).....	1.0	2,400.00	2,399.44
Secretary to the Admiral of the Navy, lieutenant.....	1.0	2,500.00	2,500.00
<i>Naval constructors.</i>			
Chief constructors, rear admiral.....	2.0	6,000.00	11,950.00
Naval constructors, captain.....	3.5	5,000.00	17,291.69
Naval constructors, commander.....	5.0	4,500.00	22,500.00
Naval constructors, lieutenant commander.....	22.0	3,986.74	87,790.32
Naval constructors, lieutenant.....	18.5	3,194.74	59,049.32
Assistant naval constructors, lieutenant.....	12.9	2,896.50	37,358.93
Assistant naval constructors, lieutenant (junior grade).....	10.5	2,230.99	23,622.67



Table 53.—AVERAGE NUMBER OF OFFICERS AND ENLISTED MEN FISCAL YEAR 1915—Continued.

Rank or rating.	Average number in grade.	Average rate.	Total credited as pay to the rank or grade.
ACTIVE—continued.			
<i>Civil engineers.</i>			
Chief of bureau, rear admiral.....	1.0	\$6,000.00	\$6,000.00
Civil engineers, rear admiral.....	.3	6,000.00	1,950.00
Civil engineers, captain.....	2.0	5,000.00	9,875.02
Civil engineers, commander.....	2.0	4,500.00	7,077.50
Civil engineers, lieutenant commander.....	17.7	3,936.99	69,654.18
Civil engineers, lieutenant.....	6.9	3,088.11	21,357.91
Assistant civil engineers, lieutenant (junior grade).....	5.7	2,434.96	14,029.99
Assistant civil engineers, ensign.....	4.4	1,898.28	8,426.02
Extra pay, aids to rear admirals.....			4,654.54
Extra pay, aviation duty.....			7,769.75
<i>Chief warrant officers.</i>			
Chief boatswain, ensign.....	102.3	2,487.38	254,361.76
Chief gunners, ensign.....	104.0	2,478.43	257,949.59
Chief machinists, ensign.....	123.0	2,345.50	288,320.92
Chief carpenters, ensign.....	82.6	2,351.70	194,237.01
Chief pharmacists, ensign.....	14.3	2,322.38	33,274.44
Chief sailmakers, ensign.....	1.0	2,380.00	2,379.99
<i>Warrant officers.</i>			
Boatswains.....	91.0	2,139.26	195,019.05
Gunners.....	87.8	2,110.83	185,512.23
Machinists.....	122.8	1,924.99	235,741.38
Carpenters.....	41.7	1,846.27	77,466.08
Pharmacists.....	20.2	2,107.66	42,319.55
Pay clerks.....	196.7	1,874.26	368,656.24
Acting pay clerks.....	1.3	1,874.26	2,445.83
<i>Nurse Corps.</i>			
Superintendent.....	1.0	1,800.00	1,800.00
Nurses.....	132.0	{ 1,013.50 653.54 }	91,397.06
<i>Mates.</i>			
Mates in service Aug. 1, 1894.....	1.0	1,125.00	1,125.00
Mates appointed since Aug. 1, 1894.....	14.0	1,101.03	15,454.11
First leader of band, Naval Academy.....	1.0	2,380.00	2,380.00
Second leader of band, Naval Academy.....	1.0	863.80	863.80
<i>Chief petty officers.</i>			
(Permanent appointments.)			
Chief masters-at-arms.....	176.3	1,119.64	197,393.35
Chief boatswain's mates.....	276.0	1,108.62	305,978.10
Chief gunners' mates.....	351.7	1,116.61	392,710.52
Chief turret captains.....	62.5	1,124.99	70,311.72
Chief quartermasters.....	233.8	1,106.57	258,715.58
Chief machinists' mates.....	491.9	1,040.46	511,803.77
Chief electricians.....	260.5	1,078.90	281,052.49
Chief carpenters' mates.....	112.6	1,078.40	121,460.22
Chief water tenders.....	319.8	1,105.55	353,499.87
Chief yeomen.....	357.4	1,054.37	376,810.46
Hospital stewards.....	232.0	1,062.56	246,556.82
Bandmasters.....	58.0	1,087.82	63,093.10
Chief commissary stewards.....	53.3	1,079.82	57,527.17
(Acting appointments.)			
Chief masters-at-arms.....	79.9	1,010.86	80,747.67
Chief boatswain's mates.....	90.2	825.73	74,480.38
Chief gunners' mates.....	100.2	863.89	84,878.68
Chief turret captains.....	32.6	931.41	30,317.28
Chief quartermasters.....	76.3	810.04	61,830.37
Chief machinists' mates.....	355.6	1,022.32	363,449.80
Chief electricians.....	167.7	908.36	152,332.51
Chief carpenters' mates.....	44.4	787.78	34,953.78
Chief water tenders.....	64.1	823.91	52,845.80
Chief yeomen.....	208.8	878.61	183,439.49
Hospital stewards.....	64.4	891.56	57,453.82
Bandmasters.....	14.4	816.35	11,769.35
Chief commissary stewards.....	33.9	1,059.22	35,907.27

Table 53.—AVERAGE NUMBER OF OFFICERS AND ENLISTED MEN FISCAL YEAR 1915—Continued.

Rank or rating.	Average number in grade.	Average rate.	Total credited as pay to the rank or grade.
ACTIVE—continued.			
<i>Petty officers, first class.</i>			
Masters-at-arms, first class.....	155.4	\$662.01	\$102,889.76
Boatswains' mates, first class.....	448.0	671.64	300,895.71
Gunners' mates, first class.....	646.9	658.84	426,175.98
Turret captains, first class.....	80.1	802.64	64,291.33
Quartermaster, first class.....	182.4	648.85	118,363.48
Boiler makers.....	234.8	925.12	217,227.08
Machinists' mates, first class.....	818.7	773.47	633,218.00
Coppersmiths.....	133.6	792.05	105,783.81
Ship fitters, first class.....	156.7	822.31	128,807.34
Electricians, first class.....	563.2	731.94	412,261.10
Blacksmiths.....	259.3	712.19	184,663.91
Plumbers and fitters.....	194.5	635.28	123,540.64
Sailmakers' mates.....	107.0	72.23.06	72,223.06
Carpenters' mates, first class.....	94.3	599.95	56,597.62
Water tenders.....	962.5	640.59	616,532.35
Painters, first class.....	79.5	643.83	51,178.89
Yeomen, first class.....	300.4	574.16	172,478.75
First musicians.....	106.3	580.46	61,720.61
Commissary stewards.....	60.6	907.18	54,966.25
Ships' cooks, first class.....	330.1	874.52	288,679.46
Bakers, first class.....	126.8	671.49	85,124.75
<i>Petty officers, second class.</i>			
Masters-at-arms, second class.....	108.8	560.38	60,963.87
Boatswains' mates, second class.....	437.3	568.97	248,827.38
Gunners' mates, second class.....	480.6	571.76	274,805.58
Quartermasters, second class.....	189.6	536.62	101,764.53
Machinists' mates, second class.....	809.5	552.23	447,052.71
Electricians, second class.....	566.9	553.34	313,708.87
Ship fitters, second class.....	82.7	585.00	48,356.70
Oilers.....	1,307.6	577.90	755,666.75
Carpenters' mates, second class.....	105.4	483.90	51,003.42
Printers.....	59.0	518.89	30,640.08
Painters, second class.....	57.9	519.72	30,091.51
Yeoman, second class.....	371.7	482.49	179,321.49
Ships' cooks, second class.....	211.1	594.77	125,596.83
<i>Petty officers, third class.</i>			
Masters-at-arms, third class.....	122.2	468.47	57,248.99
Coxswains.....	1,080.1	461.03	497,939.47
Gunners' mates, third class.....	560.8	467.35	262,100.25
Quartermasters, third class.....	310.7	439.82	136,669.22
Electricians, third class.....	768.9	412.58	317,233.04
Carpenters' mates, third class.....	147.2	410.18	60,395.02
Painters, third class.....	75.7	429.01	32,463.00
Yeomen, third class.....	315.2	411.25	129,608.55
Hospital apprentices, first class.....	568.2	429.97	244,327.63
<i>Seamen, first class.</i>			
Seamen gunners.....	5.6	429.50	2,405.07
Seamen.....	6,844.8	340.03	2,327,422.29
Firemen, first class.....	3,417.2	501.09	1,712,313.28
Shipwrights.....	151.8	342.05	51,898.12
Musicians, first class.....	401.0	481.41	193,046.80
Ships' cooks, third class.....	219.4	435.17	95,455.25
Bakers, second class.....	190.2	476.28	90,597.65
<i>Seamen, second class.</i>			
Ordinary seamen.....	8,553.5	252.34	2,158,374.61
Firemen, second class.....	2,868.3	402.08	1,153,269.27
Musicians, second class.....	478.4	409.60	195,939.72
Buglers.....	181.4	415.89	75,451.63
Hospital apprentices.....	551.9	268.00	147,909.72
Ships' cooks, fourth class.....	229.2	345.35	79,156.83
<i>Seamen, third class.</i>			
Apprentice seamen.....	2,991.4	211.68	633,340.55
Coal passers.....	3,891.0	283.01	1,101,250.90
Landsmen.....	303.5	215.60	65,424.23

Table 53.—AVERAGE NUMBER OF OFFICERS AND ENLISTED MEN FISCAL YEAR 1915—Continued.

Rank or rating.	Average number in grade.	Average rate.	Total credited as pay to the rank or grade.
ACTIVE—continued.			
<i>Messmen branch.</i>			
Stewards to commanders in chief.....	25.8	\$897.77	\$23, 135. 41
Cooks to commanders in chief.....	17.7	777.30	13, 758. 69
Stewards to commandants.....	23.4	919.84	21, 524. 20
Cooks to commandants.....	19.0	759.70	14, 495. 63
Cabin stewards.....	152.3	771.34	117, 443. 47
Cabin cooks.....	135.5	696.47	94, 371. 19
Wardroom stewards.....	127.0	762.55	96, 844. 00
Wardroom cooks.....	130.7	675.48	88, 285. 96
Steerage stewards.....	34.7	569.50	19, 788. 34
Steerage cooks.....	28.0	447.47	12, 511. 55
Warrant officers' stewards.....	67.0	541.64	36, 327. 96
Warrant officers' cooks.....	80.7	452.68	36, 508. 83
Mess attendants, first class (General Order No. 62).....	307.1	403.81	124, 009. 79
Mess attendants, second class (General Order No. 62).....	237.4	313.63	74, 455. 48
Mess attendants, third class (General Order No. 62).....	435.8	247.26	107, 755. 20
Mess attendants, first class.....	157.0	337.24	52, 960. 31
Mess attendants, second class.....	121.6	270.58	32, 897. 74
Mess attendants, third class.....	435.8	220.02	95, 884. 68
<i>Insular force.</i>			
Native coxswains.....	35.7	225.77	8, 067. 66
Native seamen.....	87.0	179.85	15, 652. 71
Native ordinary seamen.....	46.7	144.75	6, 764. 76
Native machinists, first class.....	16.8	408.70	6, 853. 80
Native machinists, second class.....	26.1	287.00	7, 501. 08
Native firemen, first class.....	48.9	262.50	12, 864. 65
Native firemen, second class.....	36.3	218.15	7, 907. 99
Native coal passers.....	18.3	154.30	2, 817. 44
Native stewards.....	2.5	229.60	574. 13
Native cooks.....	2.8	172.40	482. 87
Native mess attendants.....	1.0	105.60	105. 60
<i>Temporary ratings in addition to regular pay.</i>			
Navy mail clerks.....			24, 810. 70
Assistant navy mail clerk.....			5, 926. 17
Coxswains of boats propelled by machinery.....			23, 384. 10
Service on submarines.....			37, 305. 83
Seamen in charge of hold.....			11, 038. 26
Jacks-of-the-dust.....			7, 274. 44
Lamplighters.....			7, 408. 00
Ships' tailors.....			10, 047. 41
Tailors' helpers.....			2, 040. 01
Chief petty officers detailed as instructors.....			8, 618. 15
Gun pointers.....			61, 006. 96
Gun captains.....			21, 989. 03
Signalmen.....			9, 586. 90
Messmen.....			127, 299. 95
Apprentice petty officers.....			2, 089. 33
Seamen and ordinary seamen detailed in fireroom.....			1, 367. 30
Submerged duty pay on submarines.....			23, 218. 22
Extra pay, art. 427-6, Navy Regulations.....			3, 486. 87
One-quarter additional after expiration of enlistment.....			6, 768. 70
Interest on deposits by enlisted men, credited on discharge.....			10, 020. 50
RETIRED.			
<i>Line officers.</i>			
Rear admirals, first nine.....	99.1	6, 000. 00	592, 800. 02
Rear admirals, second nine.....	44.1	4, 500. 00	199, 939. 10
Commodores.....	45.0	4, 500. 00	201, 994. 84
Captains.....	61.8	3, 750. 00	231, 883. 83
Commanders.....	98.4	3, 375. 00	332, 643. 66
Lieutenant commanders.....	39.4	2, 921. 51	115, 002. 39
Lieutenants.....	43.6	2, 323. 48	101, 303. 81
Lieutenants (junior grade).....	16.2	1, 731. 69	28, 036. 03
Ensigns.....	29.5	1, 384. 60	40, 845. 74



Table 53.—AVERAGE NUMBER OF OFFICERS AND ENLISTED MEN FISCAL YEAR 1915—Continued.

Rank or rating.	Average number in grade.	Average rate.	Total credited as pay to the rank or grade.
RETIRED—continued.			
<i>Medical Corps.</i>			
Surgeon General, rear admiral.....	1.0	\$6,000.00	\$6,000.00
Medical directors, rear admiral.....	1.0	4,500.00	4,500.00
Medical directors, commodore.....	9.8	4,500.00	44,100.00
Medical directors, captain.....	4.2	4,500.00	18,900.00
Medical directors, captain.....	26.7	3,750.00	101,052.08
Medical inspectors, commander.....	10.9	3,375.00	35,643.75
Surgeons, lieutenant commander.....	18.8	2,983.26	56,186.67
Surgeons, lieutenant.....	5.0	2,352.00	11,760.00
Passed assistant surgeons, lieutenant.....	14.4	2,173.03	31,182.90
Passed assistant surgeons, lieutenant (junior grade).....	3.0	1,750.00	5,250.00
Assistant surgeons, lieutenant (junior grade).....	8.0	1,537.50	12,300.00
Assistant surgeons, ensign.....	2.0	1,350.00	2,700.00
<i>Engineer Corps.</i>			
Engineers in chief, rear admiral.....	1.0	4,500.00	4,500.00
Chief engineers, rear admiral.....	6.6	4,500.00	29,762.50
Chief engineers, captain.....	5.0	3,750.00	18,750.00
Chief engineers, commander.....	3.0	3,375.00	10,125.00
Chief engineers, lieutenant commander.....	5.8	2,880.00	16,716.67
Chief engineers, lieutenant.....	2.0	2,520.00	5,040.00
Passed assistant engineers, lieutenant.....	14.7	2,027.20	29,698.50
Passed assistant engineers, lieutenant (junior grade).....	6.0	1,875.00	11,250.00
Assistant engineers, lieutenant (junior grade).....	8.0	1,637.50	13,100.02
Assistant engineers, ensign.....	5.0	1,530.00	7,650.00
<i>Pay Corps.</i>			
Paymaster General, rear admiral.....	4.0	<sup>1</sup> 6,000.00 <sup>2</sup> 4,500.00	22,500.00
Pay directors, rear admiral.....	15.9	4,500.00	71,437.50
Pay directors, commodore.....	1.0	4,500.00	4,499.93
Pay directors, captain.....	11.2	3,750.00	41,864.58
Pay inspectors, commander.....	4.0	3,375.00	13,500.00
Paymasters, lieutenant commander.....	6.9	2,842.48	19,573.28
Paymasters, lieutenant.....	3.4	2,405.85	8,260.00
Passed assistant paymasters, lieutenant.....	1.0	2,160.00	2,160.00
Assistant paymasters, lieutenant (junior grade).....	2.0	1,375.00	2,750.00
<i>Chaplains.</i>			
Chaplains, rear admiral.....	3.0	4,500.00	13,500.00
Chaplains, captain.....	6.7	3,127.11	20,951.67
Chaplains, lieutenant.....	1.0	1,440.00	1,440.00
<i>Professors of Mathematics.</i>			
Professor of mathematics, rear admiral.....	1.0	4,500.00	4,500.00
Professors of mathematics, captain.....	2.0	3,750.00	7,500.00
Professors of mathematics, commander.....	2.0	<sup>1</sup> 3,375.00 <sup>2</sup> 3,150.00	6,525.00
<i>Naval Constructors.</i>			
Naval constructors, captain.....	3.0	3,750.00	11,250.00
Naval constructors, lieutenant commander.....	1.0	3,360.00	3,122.00
Assistant naval constructors, lieutenant.....	1.0	2,160.00	2,160.00
<i>Civil Engineers.</i>			
Civil engineers, rear admiral.....	3.0	<sup>1</sup> 6,000.00 <sup>2</sup> 4,500.00	15,000.00
Civil engineers, captain.....	2.0	3,750.00	7,500.00
Civil engineers, commander.....	1.0	3,375.00	3,375.00
Civil engineers, lieutenant commander.....	1.0	2,925.00	2,925.00
<i>Chief warrant officers.</i>			
Chief boatswain, lieutenant (junior grade).....	7.0	2,077.50	14,542.50
Chief boatswain, ensign.....	31.9	1,761.07	56,246.79
Chief gunner, lieutenant (junior grade).....	6.0	2,100.00	12,600.00
Chief gunners, ensign.....	14.1	1,742.80	24,529.81
Chief machinists, ensign.....	15.8	1,707.36	27,000.16
Chief carpenters, lieutenant (junior grade).....	3.8	2,100.00	8,052.20
Chief carpenters, ensign.....	15.6	1,763.37	27,523.45
Chief pharmacists, ensign.....	2.0	1,785.00	3,570.00
Chief sailmakers, lieutenant (junior grade).....	2.0	2,100.00	4,200.00
Chief sailmakers, ensign.....	4.0	1,785.00	7,140.00

<sup>1</sup> Includes interest on deposits. <sup>2</sup> Includes prisoners and men detailed to duty with the Naval Militia.

Table 53.—AVERAGE NUMBER OF OFFICERS AND ENLISTED MEN FISCAL YEAR 1915—Continued.

Rank or rating.	Average number in grade.	Average rate.	Total credited as pay to the rank or grade.
RETIRED—continued.			
Warrant officers.			
Boatswains.....	19.8	\$1,633.15	\$32,408.97
Gunners.....	16.7	1,701.81	28,406.65
Machinists.....	44.8	1,550.12	69,484.00
Carpenters.....	7.3	1,636.40	12,009.20
Pharmacists.....	16.0	1,658.18	26,530.89
Pay clerks.....	26.4	1,680.28	44,326.73
Sailmakers.....	2.8	1,687.50	4,724.86
Mates.			
Mates in service Aug. 1, 1894.....	4.0	{ 1,207.12	6,269.62
Mates appointed since Aug. 1, 1894.....	12.5	{ 1,687.50 1,032.25	
Chief petty officers.			
(Permanent appointments.)			
Chief masters-at-arms.....	38.2	1,034.58	39,489.36
Chief boatswains' mates.....	36.4	1,038.92	37,785.15
Chief gunners' mates.....	15.3	1,038.77	15,867.19
Chief quartermasters.....	16.4	1,065.90	17,430.45
Chief machinists' mates.....	26.0	1,010.98	26,529.82
Chief electricians.....	1.0	1,104.12	1,104.12
Chief carpenters' mates.....	7.0	1,049.33	7,324.90
Chief water tenders.....	10.0	1,082.53	11,345.47
Chief yeomen.....	21.9	1,032.55	22,612.78
Hospital stewards.....	.9	1,054.68	896.48
Bandmasters.....	3.0	1,040.00	3,120.00
Chief commissary stewards.....	4.0	998.22	3,992.88
(Acting appointments.)			
Chief masters-at-arms.....	4.6	899.37	4,099.67
Chief boatswains' mates.....	16.4	792.04	13,015.94
Chief gunners' mates.....	8.1	780.45	6,334.66
Chief quartermasters.....	6.5	750.82	4,880.34
Chief carpenters' mates.....	3.0	762.24	2,286.72
Chief water tenders.....	4.0	812.58	3,250.32
Chief yeomen.....	7.4	862.34	6,395.73
Hospital stewards.....	1.0	783.00	783.00
Bandmasters.....	3.0	798.84	2,396.52
Petty officers, first class.			
Masters-at-arms, first class.....	5.0	685.77	3,428.88
Boatswains' mates, first class.....	9.8	695.28	6,825.31
Gunners' mates, first class.....	11.5	733.05	8,401.52
Quartermasters, first class.....	2.2	666.28	1,493.57
Boiler makers.....	2.6	962.34	2,483.37
Machinists' mates, first class.....	8.0	840.83	6,726.60
Blacksmiths.....	2.0	859.80	1,719.60
Sailmakers' mates.....	2.6	690.70	1,788.14
Carpenters' mates, first class.....	1.2	673.03	815.11
Water tenders.....	14.0	725.04	10,148.50
Painters, first class.....	1.9	722.17	1,313.94
First musicians.....	2.5	649.94	1,648.33
Commissary stewards.....	1.0	922.32	922.32
Ships' cooks, first class.....	19.4	830.94	16,157.21
Petty officers, second class.			
Masters-at-arms, second class.....	2.0	657.84	1,315.68
Boatswains' mates, second class.....	8.5	650.14	5,522.43
Gunners' mates, second class.....	5.0	615.00	3,075.00
Machinists' mates, second class.....	1.0	701.04	701.04
Electricians, second class.....	1.0	797.28	797.28
Oilers.....	8.0	662.08	5,337.11
Printers.....	1.0	621.84	621.84
Petty officers, third class.			
Coxswains.....	5.1	527.69	2,704.42
Gunners' mates, third class.....	1.0	585.72	585.72
Quartermasters, third class.....	1.0	575.04	575.04
Hospital apprentices, first class.....	1.4	552.91	803.26

<sup>1</sup> Includes prisoners and men detailed to duty with the Naval Militia.<sup>2</sup> Includes interest on deposits.

Table 53.—AVERAGE NUMBER OF OFFICERS AND ENLISTED MEN FISCAL YEAR 1915—Continued.

Rank or rating.	Average number in grade.	Average rate.	Total credited as pay to the rank or grade.
RETIRED—continued.			
<i>Seamen, first class.</i>			
Seamen.....	5.7	\$520.89	\$2,980.65
Firemen, first class.....	14.8	634.25	9,378.09
Musicians, first class.....	11.0	625.50	6,880.56
<i>Seamen, second class.</i>			
Buglers.....	.7	572.28	397.42
<i>Messmen branch.</i>			
Stewards to commanders in chief.....	1.0	869.28	869.28
Cooks to commanders in chiefs.....	2.0	811.68	1,623.36
Stewards to commandants.....	4.2	836.49	3,543.45
Cooks to commandants.....	1.0	760.44	760.44
Cabin stewards.....	3.3	783.67	2,575.21
Cabin cooks.....	2.8	787.46	2,174.26
Wardroom stewards.....	5.4	817.42	4,418.58
Wardroom cooks.....	1.0	744.12	744.12
Steage stewards.....	1.0	671.28	671.28
Warrant officers' stewards.....	.2	674.87	129.35

## RECAPITULATION.

	Number in grade.	Total.
Officers, active list.....	3,619.6	\$10,175,285.61
Midshipmen.....	894.5	536,690.02
Enlisted men, active list <sup>1</sup> .....	49,937.2	23,677,420.85
Apprentice seamen.....	2,991.4	633,340.55
Insular force.....	322.1	69,592.69
Officers, retired list.....	952.1	3,010,107.68
Enlisted men, retired list.....	423.4	373,246.00
Nurse corps.....	133.0	93,197.06
Extra pay, aviation duty and aids to rear admirals.....		12,424.29
Extra pay, temporary ratings <sup>2</sup> .....		401,686.83
Total.....	59,273.3	38,985,991.58

<sup>1</sup> Includes prisoners and men detailed to duty with the Naval Militia.<sup>2</sup> Includes interest on deposits.

The average annual rate of pay for a rank or rating multiplied by the average number of officers or men in that grade does not always give the amount shown in the last column as total pay credited to the rank or rating, due to the fact that the decimal used in arriving at the average pay was carried out several places whereas in this table it has been reduced to the nearest tenth.



Table 54.—EMPLOYEES IN PRINCIPAL NAVY YARDS IN THE UNITED STATES.<sup>1</sup>

SHOWING NUMBER, TOTAL PAY, AND AVERAGE PAY, AS OF DATE JULY 1, 1915.

Yard.	Employees in Group I (unskilled labor).			Employees in Group II (partially skilled labor).		
	Number.	Total of daily pay roll.	Average pay.	Number.	Total of daily pay roll.	Average pay.
Portsmouth, N. H.	141	\$272.48	\$1.9324	269	\$556.96	\$2.0704
Boston, Mass.	357	788.36	2.21	466	1,034.96	2.22
Newport, R. I. <sup>2</sup>	44	95.28	2.16	210	352.16	1.67
New York	894	1,863.04	2.084	1,272	2,847.16	2.238
Philadelphia	452	852.16	1.8853	531	1,089.68	2.0521
Washington, D. C.	335	713.84	2.13	689	1,527.76	2.217
Norfolk, Va.	660	1,088.48	1.65	668	1,293.60	1.93
Charleston, S. C.	281	403.20	1.43	276	492.88	1.79
Mare Island, Cal.	442	1,063.44	2.41	621	1,486.36	2.39
Puget Sound, Wash.	330	776.00	2.3515	362	875.04	2.4172
Total	3,936	7,916.28	2.01	5,364	11,556.56	2.15
Average						

Yard.	Employees in Group III (artisans).			Total number employees in Groups I, II, and III.		
	Number.	Total of daily pay roll.	Average pay.	Number.	Total of daily pay roll.	Average pay.
Portsmouth, N. H.	607	\$2,080.56	\$3.4276	1,017	\$2,910.00	\$2.8613
Boston, Mass.	1,079	4,081.02	3.77	1,902	5,904.34	3.10
Newport, R. I.	462	1,520.56	3.29	716	1,968.00	2.74
New York, N. Y.	2,495	8,842.88	3.544	4,661	13,553.08	2.907
Philadelphia, Pa.	959	3,204.56	3.3416	1,942	5,146.40	2.6501
Washington, D. C.	2,154	8,152.40	3.784	3,178	10,394.00	3.27
Norfolk, Va.	1,343	4,414.66	3.29	2,671	6,796.74	2.54
Charleston, S. C.	641	1,810.08	2.82	1,198	2,706.16	2.26
Mare Island, Cal.	949	3,757.16	3.96	2,012	6,316.96	3.14
Puget Sound, Wash.	546	2,074.24	3.7989	1,238	3,725.28	3.0091
Total	11,235	39,938.12	3.55	20,535	59,420.96	2.89
Average						

<sup>1</sup> The clerical, drafting, and supervisory forces and special employees are not included in this list.<sup>2</sup> Torpedo station only.

Table 55.—CLERICAL FORCE OF THE NAVAL ESTABLISHMENT.

SHOWING NUMBER OF CLERKS, MESSENGERS, WATCHMEN, DRAFTSMEN, AND OTHER TECHNICAL EMPLOYEES EMPLOYED AT NAVY YARDS AND STATIONS, AND THE VARIOUS LUMP APPROPRIATIONS FROM WHICH PAID.

Bill.	Heading.	Number.
Naval appropriation	Pay, miscellaneous	236
Do.	Construction and repair of vessels	761
Do.	Ordinance and ordnance stores	397
Do.	Engineering	491
Do.	Maintenance, Bureau of Supplies and Accounts	560
Do.	Maintenance, Bureau of Yards and Docks	306
Do.	Maintenance, naval training station, Rhode Island	2
Do.	Maintenance, Naval War College, Rhode Island	11
Do.	Maintenance, naval training station, Great Lakes	1
Total		2,765

Table 56.—CLERICAL FORCE IN NAVY DEPARTMENT.

Bill.	Heading.	Number.
Legislative, executive, and judicial.	Navy Department.....	620
Naval appropriation.....	Construction and repair of vessels.....	49
Do.....	Ordinance and ordnance stores.....	9
Do.....	Engineering.....	25
Do.....	Maintenance, Bureau of Yards and Docks.....	30
Total.....		733

Table 57.—ENLISTED STRENGTH AS FIXED BY LAW, MAR. 3, 1885, TO MAR. 3, 1915.

Act of—

Mar. 3, 1885 (48th Cong., 2d sess.).....	8, 250
July 26, 1886 (49th Cong., 1st sess.).....	8, 250
Mar. 3, 1887 (49th Cong., 2d sess.).....	8, 250
Sept. 7, 1888 (50th Cong., 1st sess.).....	8, 250
Mar. 2, 1889 (50th Cong., 2d sess.).....	8, 250
June 30, 1890 (51st Cong., 1st sess.).....	8, 250
Mar. 2, 1891 (51st Cong., 2d sess.).....	8, 250
July 19, 1892 (52d Cong., 1st sess.).....	8, 250
Mar. 3, 1893 (52d Cong., 2d sess.).....	9, 000
July 26, 1894 (53d Cong., 2d sess.).....	9, 000
Mar. 2, 1895 (53d Cong., 3d sess.).....	9, 000
June 10, 1896 (54th Cong., 1st sess.).....	10, 000
Mar. 3, 1897 (55th Cong., 1st sess.).....	11, 750
May 4, 1898 <sup>1</sup> (55th Cong., 2d sess.).....	13, 750
Mar. 3, 1899 (55th Cong., 3d sess.).....	20, 000
June 7, 1900 (56th Cong., 1st sess.).....	20, 000
Mar. 3, 1901 (56th Cong., 2d sess.).....	25, 050
July 1, 1902 (57th Cong., 1st sess.).....	28, 000
Mar. 3, 1903 (57th Cong., 2d sess.).....	31, 000
Apr. 27, 1904 (58th Cong., 2d sess.).....	34, 000
Mar. 3, 1905 (58th Cong., 3d sess.).....	37, 000
June 29, 1906 (59th Cong., 1st sess.).....	37, 000
Mar. 2, 1907 (59th Cong., 2d sess.).....	38, 500
May 13, 1908 (60th Cong., 1st sess.).....	44, 500
Mar. 3, 1909 (60th Cong., 2d sess.).....	44, 500
June 24, 1910 (61st Cong., 2d sess.).....	47, 500
Mar. 4, 1911 (61st Cong., 3d sess.).....	47, 500
Aug. 22, 1912 (62d Cong., 2d sess.).....	51, 500
Mar. 4, 1913 (62d Cong., 3d sess.).....	51, 500
June 30, 1914 (63d Cong., 2d sess.).....	51, 500
Mar. 3, 1915 (63d Cong., 3d sess.).....	51, 500

<sup>1</sup> Under act of May 4, 1898, the Secretary of the Navy was authorized to enlist as many seamen, landsmen, and boys as he deemed necessary. The greatest number in service during 1898, 22,822; the greatest number in service during 1899, 24,123.

Table 58.—AMOUNT APPROPRIATED FOR PAY OF THE NAVY FROM 1885 TO 1915.

Act of—

Mar. 3, 1885 (48th Cong., 2d sess.).....	\$6, 940, 780. 00
July 26, 1886 (49th Cong., 1st sess.).....	7, 000, 000. 00
Mar. 3, 1887 (49th Cong., 2d sess.).....	7, 000, 000. 00
Sept. 7, 1888 (50th Cong., 1st sess.).....	7, 082, 404. 00
Mar. 2, 1889 (50th Cong., 2d sess.).....	7, 250, 000. 00
June 30, 1890 (51st Cong., 1st sess.).....	7, 250, 000. 00
Mar. 2, 1891 (51st Cong., 2d sess.).....	7, 300, 000. 00
July 19, 1892 (52d Cong., 1st sess.).....	7, 300, 000. 00
Mar. 3, 1893 (52d Cong., 2d sess.).....	7, 300, 000. 00
July 26, 1894 (53d Cong., 2d sess.).....	7, 475, 000. 00
Mar. 2, 1895 (53d Cong., 3d sess.).....	7, 649, 329. 00
June 10, 1896 (54th Cong., 1st sess.).....	8, 100, 873. 00
Mar. 3, 1897 (55th Cong., 1st sess.).....	8, 235, 385. 00
May 4, 1898 (55th Cong., 2d sess.).....	9, 125, 460. 00
Mar. 3, 1899 (55th Cong., 3d sess.).....	13, 500, 171. 00
June 7, 1900 (56th Cong., 1st sess.).....	12, 810, 897. 00
Mar. 3, 1901 (56th Cong., 2d sess.).....	15, 200, 284. 00
July 1, 1902 (57th Cong., 1st sess.).....	16, 138, 199. 00
Mar. 3, 1903 (57th Cong., 2d sess.).....	17, 706, 099. 00
Apr. 27, 1904 (58th Cong., 2d sess.).....	19, 324, 093. 00
Mar. 2, 1905 (58th Cong., 3d sess.).....	20, 000, 000. 00
June 29, 1906 (59th Cong., 1st sess.).....	20, 269, 637. 00
Mar. 2, 1907 (59th Cong., 2d sess.).....	21, 000, 000. 00
May 13, 1908 (60th Cong., 1st sess.).....	30, 979, 225. 00
Mar. 3, 1909 (60th Cong., 2d sess.).....	32, 803, 486. 72
June 24, 1910 (61st Cong., 2d sess.).....	33, 665, 536. 00
Mar. 4, 1911 (61st Cong., 3d sess.).....	35, 069, 026. 00
Aug. 22, 1912 (62d Cong., 2d sess.).....	37, 280, 971. 25
Mar. 4, 1913 (62d Cong., 3d sess.).....	39, 264, 662. 00
June 30, 1914 (63d Cong., 2d sess.).....	40, 010, 724. 00
Mar. 3, 1915 (63d Cong., 3d sess.).....	41, 240, 563. 00

Table 59.—REQUIREMENTS FOR ENLISTMENT.

An applicant for enlistment must be a citizen of the United States, native or naturalized, between 17 and 30 years old, of good character and habits, able to read, write, and speak English. A minor under 18 enlists for minority only, and must furnish sworn consent of parent or guardian. Applicants over 18 enlists for four years, and minors must furnish a birth certificate or verified written statement of parent or guardian as to their age.

All applicants must be in good physical condition, free from any disease or deformity, at least 64 inches high and weighing 128 pounds for an adult, with weight increasing in proportion to height. A minor must be at least 62 inches tall and weigh 110 pounds, increasing proportionately with age and height. Applicants over 25 years of age must possess some trade.

Table 60.—STATISTICS RELATING TO ENLISTMENTS.

	June 30—								
	1907	1908	1909	1910	1911	1912	1913	1914	1915
Number in service.....	33, 027	39, 048	44, 129	45, 076	47, 612	47, 515	48, 068	52, 667	52, 561
Number of applicants.....	45, 691	81, 442	91, 588	76, 074	79, 458	73, 364	75, 457	88, 943	102, 561
Applicants enlisted.....	14, 329	21, 929	18, 713	14, 756	15, 724	17, 743	17, 918	18, 948	17, 704
Percentage of desertions.....	9. 04	9. 00	5. 50	4. 77	4. 16	3. 52	3. 77	2. 89	2. 43
Discharge by purchase.....	132	504	538	503	461	403	495	451	2, 303



Table 61.—ADDRESSES OF CENTRAL RECRUITING STATIONS.

Portland, Me., 97 Exchange Street.  
 Boston, Mass., 146 Tremont Street.  
 Worcester, Mass., 414 Main Street.  
 New Haven, Conn., 813 Chapel Street.  
 Albany, N. Y., 463 Broadway.  
 New York, N. Y., 153 West Twenty-third Street.  
 Brooklyn, N. Y., 1239 Bedford Avenue.  
 Newark, N. J., 86 Park Place.  
 Philadelphia, Pa., 1413 Filbert Street.  
 Scranton, Pa., Coal Exchange Building.  
 Pittsburgh, Pa., Fitzsimons Building.  
 Baltimore, Md., St. Paul and Baltimore Streets.  
 Richmond, Va., Allison Building, East Main and Eighth Streets.  
 Buffalo, N. Y., Post Office Building.  
 Cincinnati, Ohio, Post Office Building.  
 Indianapolis, Ind., Post Office Building.  
 Cleveland, Ohio, Post Office Building.  
 Detroit, Mich., Hall Building, 161 Griswold Street.  
 Chicago, Ill., 130 North Fifth Avenue.  
 Milwaukee, Wis., 222 Grand Avenue.  
 St. Louis, Mo., Dome Custom House.  
 Minneapolis, Minn., Post Office Building.  
 Des Moines, Iowa, Old Post Office Building.  
 Atlanta, Ga., Post Office Building.  
 New Orleans, La., 730 Common Street.  
 Omaha, Nebr., Post Office Building.  
 Kansas City, Mo., Post Office Building.  
 Dallas, Tex., 1616½ Main Street.  
 El Paso, Tex., 204½ El Paso Street.  
 Galveston, Tex., Twenty-second Street and Avenue "C."  
 Denver, Colo., Quincy Building, 1010 Seventeenth Street.  
 Salt Lake City, Utah, Keith Emporium Building.  
 San Francisco, Cal., 417 Market Street.  
 Portland, Oreg., 316 Morgan Building.  
 San Diego, Cal., Watts Building, Fifth and E Streets.  
 Substations are maintained in smaller cities.  
 Enlistments are also made at all navy yards and naval stations.

Table 62.—CITIZENSHIP OF ENLISTED FORCE FOR YEAR ENDED JUNE 30, 1915.

	Native born.	Naturalized.	Declared intentions.	Aliens, resident.	Aliens, non-resident.	Natives of—				Total.
						Porto Rico.	Guam.	Samoas.	Philippines.	
Petty officers.....	17,484	1,921	18	15	13	10	5	3	121	19,590
Other rates.....	30,108	597	31	114	228	28	107	72	1,614	32,971
Total.....	47,664	2,518	49	129	241	38	112	75	1,735	52,561

Table 63.—PERCENTAGES OF CITIZENSHIP OF ENLISTED MEN.

	1912	1913	1914	1915
Petty officers.....	15,958	17,204	18,557	15,590
Native born.....	85.75	87.04	88.33	89.25
Naturalized.....	12.93	11.70	10.42	9.80
Declared intentions.....	.40	.31	.19	.09
Aliens resident in the United States.....	.07	.07	.09	.08
Aliens nonresident in the United States.....	.08	.09	.07	.07
Natives colonial possessions.....	.77	.79	.89	.70
Citizens of the United States.....	98.68	98.75	98.78	99.05
Enlisted men other than petty officers.....	31,557	30,864	34,110	32,971
Native born.....	92.46	92.00	92.49	91.50
Naturalized.....	2.57	2.68	1.86	1.87
Declared intentions.....	.21	.21	.13	.09
Aliens resident in the United States.....	.47	.34	.34	.35
Aliens nonresident in the United States.....	.48	.85	.70	.70
Natives colonial possessions.....	3.81	3.92	4.48	5.51
Citizens of the United States.....	95.03	94.67	94.34	93.34
Citizenship of the total enlisted force.....	47,515	48,068	52,667	52,561
Native born.....	90.20	90.22	91.02	90.68
Naturalized.....	6.05	5.91	4.88	4.80
Citizens of the United States.....	96.25	96.13	95.90	95.48

Table 64.—WARRANT OFFICERS APPOINTED ENSIGNS.

NUMBER OF WARRANT OFFICERS WHO HAVE APPLIED FOR APPOINTMENT AS ENSIGNS IN THE NAVY UNDER THE PROVISIONS OF AN ACT OF CONGRESS APPROVED MAR. 3, 1901, AS AMENDED MAR. 3, 1903, APR. 27, 1904, AND MAR. 3, 1909, AND THE NUMBER APPOINTED EACH YEAR.

When appointed.	Applied.	Failed on examinations.	Withdrew applications.	Not qualified for appointment.	Appointed.	Present rank.
1901.....	7	1	.....	4	2	Lieutenant commander (both retired).
1902.....	1	.....	.....	.....	1	Do.
1903.....	6	1	1	2	2	Do.
1904.....	23	11	2	.....	10	Lieutenant (1 resigned, 1 retired).
1905.....	12	5	2	.....	5	Do.
1906.....	8	3	1	1	3	Do.
1907.....	6	4	2	.....	.....	.....
1908.....	3	1	.....	.....	2	1 lieutenant, and 1 deceased.
1909.....	2	2	.....	.....	.....	.....
1910.....	5	4	.....	.....	1	Lieutenant (junior grade).
1911.....	5	4	.....	1	.....	.....
1912.....	5	3	.....	.....	2	Lieutenants (junior grade).
1913.....	5	1	.....	.....	4	Ensign.
1914.....	7	1	.....	.....	6	Do.
1915 <sup>1</sup> .....	.....	.....	.....	.....	.....	.....
	95	41	8	8	38	

<sup>1</sup> 7 applied and were examined.

**Table 65.—MIDSHIPMEN (FORMERLY CADETS) AT SEA AND ON SHORE, 1879 TO 1915.**

[Present law authorizing appointment of midshipmen, p. 246.]

(Law authorizing commission as ensign upon graduation, act Mar. 7, 1912, 37 Stats., 73.)

Years.	At sea.	At Naval Academy.	Total.	Years.	At sea.	At Naval Academy.	Total.
1879.....	123	352	475	1898.....	64	278	342
1880.....	163	318	481	1899.....	91	262	353
1881.....	196	260	456	1900.....	111	280	391
1882.....	208	238	446	1901.....	124	327	451
1883.....	101	247	348	1902.....	125	406	531
1884.....	82	237	339	1903.....	102	649	751
1885.....	73	244	317	1904.....	105	823	928
1886.....	58	237	295	1905.....	174	881	1,055
1887.....	69	224	293	1906.....	304	751	1,055
1888.....	72	232	304	1907.....	312	852	1,164
1889.....	63	243	306	1908.....	383	798	1,181
1890.....	67	239	306	1909.....	371	848	1,219
1891.....	66	236	302	1910.....	292	840	1,132
1892.....	70	234	304	1911.....	281	727	1,008
1893.....	68	242	310	1912.....	.....	768	768
1894.....	68	237	305	1913.....	.....	870	870
1895.....	60	241	301	1914.....	.....	911	911
1896.....	52	251	303	1915.....	.....	915	915
1897.....	62	257	319				

**Table 66.—OFFICERS ON THE ACTIVE LIST OF THE NAVY NOVEMBER, 1915.**

Admiral of the Navy.....	1	Passed assistant paymasters.....	76
Rear admirals <sup>1</sup> .....	24	Assistant paymasters.....	28
Captains.....	90	Chaplains.....	23
Commanders.....	121	Acting chaplains.....	4
Lieutenant commanders.....	204	Professors of mathematics.....	17
Lieutenants.....	351	Naval constructors.....	52
Lieutenants (junior grade).....	765	Assistant naval constructors.....	25
Ensigns.....	451	Civil engineers.....	29
Medical directors.....	17	Assistant civil engineers.....	11
Medical inspectors.....	15	Chief boatswains.....	109
Surgeons.....	85	Boatswains.....	87
Passed assistant surgeons.....	156	Chief gunners.....	115
Assistant surgeons.....	53	Gunners.....	99
Acting assistant surgeons.....	25	Chief machinists.....	142
Assistant surgeons, Medical Reserve Corps.....	91	Machinists.....	112
Dental surgeon.....	1	Chief carpenters.....	87
Acting assistant dental surgeons.....	33	Carpenters.....	36
Assistant dental surgeons, Dental Reserve Corps.....	11	Chief sailmaker.....	1
Pay directors.....	13	Chief pharmacists.....	14
Pay inspectors.....	15	Pharmacists.....	11
Paymasters.....	86	Paymaster's clerks.....	208
		Total.....	3, 894

These officers are divided in the various branches of the naval service as follows:

Total number of line officers.....	2, 007
Total number of staff officers.....	866
Total number of warrant officers.....	1, 021
Total.....	3, 894

<sup>1</sup> Rear admirals serving as commander in chief Atlantic, Pacific, and Asiatic Fleets hold the rank of Admiral while so serving. Rear admirals serving as second in command of above-mentioned fleets hold the rank of Vice Admiral while so serving.—Act of Mar. 3, 1915.



Table 67.—ACTUAL AND AUTHORIZED STRENGTH OF THE MARINE CORPS, 1915.

Grade.	In service.	Allowed by law.	Grade.	In service.	Allowed by law.
OFFICERS.			<i>Line—Continued.</i>		
Major general commandant.....	1	1	Captains.....	94	94
<i>Staff.</i>			First lieutenants.....	96	96
Colonel, adjutant and inspector..	1	1	Second lieutenants.....	89	90
Lieutenant colonels, assistant adjutants and inspectors.....	2	2	Total.....	344	345
Majors, assistant adjutants and inspectors.....	3	3	ENLISTED.		
Colonel, quartermaster.....	1	1	Sergeants major.....	12	12
Lieutenant colonels, assistant quartermasters.....	2	2	Quartermaster sergeants.....	76	79
Majors, assistant quartermasters.....	3	3	Drum major.....	1	1
Captains, assistant quartermasters.....	11	11	First sergeants.....	113	114
Colonel, paymaster.....	1	1	Gunnery sergeants.....	105	106
Lieutenant colonel, assistant paymaster.....	1	1	Sergeants.....	489	500
Majors, assistant paymasters.....	2	2	Corporals.....	926	967
Captains, assistant paymasters..	2	2	Drummers.....	93	124
<i>Line.</i>			Trumpeters.....	95	124
Colonels.....	<sup>1</sup> 8	<sup>1</sup> 8	Privates.....	<sup>2</sup> 7,999	7,832
Lieutenant colonels.....	7	7	Leader of band.....	1	1
Majors.....	<sup>2</sup> 20	<sup>2</sup> 20	Second leader of band.....	1	1
			First-class musicians.....	29	30
			Second-class musicians.....	28	30
			Total.....	9,968	9,921
			Grand total.....	10,312	10,266

<sup>1</sup> One additional number in grade.<sup>2</sup> Two additional numbers in grade.<sup>3</sup> Includes 116 holding recruiting warrants as sergeant and 22 holding recruiting warrants as corporal.

Table 68.—OFFICERS AND MEN ON THE RETIRED LIST OF THE NAVY JUNE 30, 1915.

Rear admirals.....	150	Assistant engineers.....	13
Commodores.....	43	Chaplains.....	10
Captains.....	62	Professors of mathematics.....	5
Commanders.....	103	Naval constructors.....	4
Lieutenant commanders.....	40	Assistant naval constructor.....	1
Lieutenants.....	46	Civil engineers.....	7
Lieutenants (junior grade).....	20	Chief boatswains.....	41
Ensigns.....	32	Boatswains.....	19
Surgeons general.....	2	Chief gunners.....	20
Medical directors.....	41	Gunners.....	17
Medical inspectors.....	11	Chief machinists.....	22
Surgeons.....	24	Machinists.....	42
Passed assistant surgeons.....	18	Chief carpenters.....	21
Assistant surgeons.....	10	Carpenters.....	7
Paymasters general.....	4	Chief sailmakers.....	6
Pay directors.....	30	Sailmakers.....	2
Pay inspectors.....	4	Chief pharmacists.....	3
Paymasters.....	10	Pharmacists.....	15
Passed assistant paymaster.....	1	Paymasters' clerks.....	28
Assistant paymasters.....	2	Mates.....	4
Engineer in chief.....	1		
Chief engineers.....	20	Total.....	980
Passed assistant engineers.....	19		

There were 49 men retired during the past year, and 29 deaths, making the total number on the retired list June 30, 1915, 431, as follows:

Mates.....	13	Masters-at-arms, second class.....	2
Chief masters-at-arms.....	43	Gunners' mates, second class.....	5
Chief boatswains' mates.....	54	Machinist's mate, second class.....	1
Chief gunners' mates.....	24	Electrician, second class.....	1
Chief quartermaster.....	25	Printer.....	1
Chief machinists' mates.....	27	Cooks to commanders in chief.....	2
Chief electrician.....	1	Oilers.....	8
Chief carpenters' mates.....	10	Coxswains.....	4
Chief water tenders.....	15	Gunner's mate, third class.....	1
Chief commissary stewards.....	4	Quartermaster, third class.....	1
Chief yeomen.....	28	Coxswains to commanders in chief.....	2
Hospital stewards.....	2	Hospital apprentices, first class.....	2
Bandmasters.....	6	Seamen.....	6
Masters-at-arms, first class.....	5	Firemen, first class.....	13
Boatswains' mates, first class.....	10	Musicians, first class.....	11
Gunners' mates, first class.....	13	Ships' cooks, first class.....	20
Quartermasters, first class.....	3	Steward to commander in chief.....	1
Boiler makers.....	5	Stewards to commandants.....	4
Machinists' mates, first class.....	8	Steerage steward.....	1
Blacksmiths.....	2	Wardroom stewards.....	6
Sailmakers' mates.....	4	Wardroom cook.....	1
Carpenters' mates, first class.....	2	Cook to commandant.....	1
Water tenders.....	13	Cabin cooks.....	3
Painters, first class.....	2	Cabin steward.....	1
First musicians.....	3	Warrant officer's steward.....	1
Commissary stewards.....	2		
Boatswains' mates, second class.....	8	Total.....	431

Table 69.—OFFICERS ON THE RETIRED LIST OF THE MARINE CORPS  
JUNE 30, 1915.

Major general commandants.....	2
Assistant quartermaster, rank of lieutenant colonel.....	1
Assistant quartermaster, rank of major.....	1
Paymaster, rank of brigadier general.....	1
Brigadier generals.....	3
Colonels.....	6
Lieutenant colonels.....	4
Majors.....	9
Captains.....	19
First lieutenants.....	12
Second lieutenants.....	3
Total.....	61

Table 70.—SICKNESS NAVY AND MARINE CORPS AND SURGICAL OPERATIONS DURING 1914.

Comparison with previous years.	Cases treated.		Sick days.		Deaths.		Invalided from service.	
	Num-ber.	Ratio per 1,000.	Num-ber.	Ratio per 1,000.	Num-ber.	Ratio per 1,000.	Num-ber.	Ratio per 1,000.
For the calendar year 1914.....	59,526	886.58	729,305	10,862.28	281	4.18	1,426	21.23
Average for 10 years, 1904-1913.....	46,124	872.93	563,947	10,673.13	279	5.28	1,441	27.27

*Surgical operations, 1914.*

Total number of operations.....	3,621
Cured.....	3,228
Improved.....	221
Unimproved.....	44
Transferred.....	80
Died.....	48

Table 71.—COMPARATIVE PERSONNEL OF THE PRINCIPAL NAVAL POWERS.

[Correct to July 1, 1914.]

Rank.	England.	Ger-many.	United States (July 1, 1915).	France.	Japan.	Russia.	Italy.	Austria-Hun-gary.
Admirals of the fleet.....	3	2	11	.....	2	.....	.....	.....
Admirals.....	12	6	23	.....	6	12	1	1
Vice admirals.....	22	12	23	15	19	20	10	2
Rear admirals.....	58	22	25	30	38	21	19	15
Captains and commanders.....	702	154	211	360	270	346	137	80
Other line officers.....	2,508	2,220	1,778	1,419	1,965	1,378	753	558
Midshipmen at sea.....	639	448	.....	77	119	.....	73	175
Engineer officers.....	837	577	.....	505	811	538	326	164
Medical officers.....	593	340	383	390	364	286	259	84
Pay officers.....	750	276	221	211	388	.....	228	7224
Naval constructors.....	122	162	77	187	135	.....	107	9141
Chaplains.....	147	30	27	.....	.....	85	.....	11
Warrant officers.....	2,740	3,183	1,012	10147	1,569	.....	1,340	387
Enlisted men.....	119,597	65,797	52,444	60,505	50,050	49,258	36,660	117,689
Marine officers.....	465	12177	344	.....	.....	.....	.....	.....
Enlisted men (marines).....	1321,414	125,791	9,965	.....	.....	.....	.....	.....
Total.....	150,609	79,197	66,488	63,846	55,736	52,463	39,913	19,531

<sup>1</sup> The Admiral of the Navy.<sup>2</sup> The commanders in chief of the Atlantic, Pacific, and Asiatic Fleets, designated by the President of the United States, as Commander in Chief of the Army and Navy, have the rank of admiral while so serving; similarly, the seconds in command have the rank of vice admiral.<sup>3</sup> The United States now has, temporarily, as extra numbers, due to promotion for war service, and to officers restricted by law to engineering duty only on shore only, 6 flag officers, 20 captains, 9 commanders, 6 lieutenant commanders, and 1 lieutenant.<sup>4</sup> Includes 32 officers of the Dental Corps.<sup>5</sup> Includes pharmacists.<sup>6</sup> Includes pharmaceutical officers.<sup>7</sup> Includes 21 officers of the Judge Advocates Corps.<sup>8</sup> Includes 50 ordnance and 10 hydrographic engineers.<sup>9</sup> Includes 4 hydrographic engineers.<sup>10</sup> Includes adjutants principaux; does not include premier maitres and maitres.<sup>11</sup> Includes 4,000 recruits for 42 days.<sup>12</sup> Marine infantry and seaman artillery.<sup>13</sup> Includes 3,130 men of the Coast Guard.

NOTE.—Due to the European war no official information regarding naval matters of the belligerents can be obtained; therefore this table is published as of July 1, 1914.



Table 72.—CHRONOLOGICAL LIST OF ACTS RELATING TO PERSONNEL.

- Act of June 7, 1900 (56th, 1st):  
 Active service for retired officers.  
 Desertion forfeitures, credit for.  
 Medical Corps, increase of.  
 Midshipmen, succeeding appointments of, after four years of six-year course.  
 Mileage in lieu of traveling expenses within United States.  
 Actual expenses without the United States.  
 Pay of officers, personnel law not to operate to reduce.
- Act of Mar. 3, 1901 (56th, 2d):  
 Advancement for Spanish War service not to interfere with regular promotions.  
 Naval Observatory, rank of superintendent.  
 Officers advanced to be additional numbers in grade.  
 Shore duty beyond seas defined.  
 Traveling expenses.  
 Warrant officer eligible to grade of ensign.  
 (Number increased to 12 in 57th, 2d, p. 444.)
- Act of July 1, 1902 (57th, 1st):  
 Civil Engineer Corps, increase of.  
 Civilians employed in island possessions, method of pay of.  
 Marine Corps, additional force.  
 Midshipman, title changed from cadet.  
 Naval Constructors Corps, increase of.  
 Navy ration, provision amended.
- Act of Mar. 3, 1903 (57th, 2d):  
 Active list of Navy, increase in certain grades.  
 Civil Engineer Corps—  
 Pay of assistant civil engineers.  
 Examinations for promotion.  
 Hazing, punishment for.  
 Limit of yearly increase in certain grades of line and staff.  
 Marine Corps—  
 Increase of.  
 Present vacancies in, how filled.  
 Midshipmen—  
 Increase of, till 1913.  
 Age limit changed.  
 Present vacancies in.  
 Naval Academy, 10 instructors for.  
 Porto Rico, midshipman.  
 Warrant officers appointed ensigns, increase in number of, to 12.
- Act of Apr. 27, 1904 (58th, 2d):  
 Marine Corps officers with creditable Civil War service to be retired in like manner as officers of the Navy with similar service.  
 Marine Corps, extra pay for gun pointers.  
 Professors and instructors at Naval Academy, increase in number of.  
 Remains, transportation of.  
 Warrant officers eligible to grade of ensign after four years.  
 Warrant officers eligible to appointment as chiefs after six years.  
 Warrant machinists, increase in number, but not to exceed 20 in any one year (amending act Mar. 3, 1899).
- Act of June 29, 1906 (59th, 1st):  
 Chaplains to receive same rank, pay, and allowances as Army chaplains.  
 Civil engineers and professors of mathematics to receive same allowances as constructors' corps.  
 Enlisted men discharged on expiration of enlistment to receive travel allowance of 4 cents per mile from place of discharge to place of enlistment.  
 Fifteen per cent shore-duty clause repealed.  
 Midshipmen—  
 Time of designation for examination extended.  
 One additional, for District of Columbia.  
 Professors of mathematics, two additional, transferred from the line to be additional numbers (Smith and Garrison).

Act of June 29, 1906 (59th, 1st)—Continued.

Retired officers, Navy and Marine Corps, extending provisions of personnel act to certain of those retired prior thereto.

Yards and Docks, Chief of Bureau of, shall be selected from members of Corps of Civil Engineers having not less than seven years' active service.

Act of May 13, 1908 (60th, 1st):

Aids to rear admirals, additional pay for.

Badges and ribbons.

Bands, excepting Naval Academy, prohibited from competing with civilian musicians.

Chaplains, pay and allowances shall in no case exceed that for lieutenant commanders.

Chiefs of bureaus, pay and allowances shall be the highest of grade to which belong and not below rear admiral of lower nine.

Chiefs of bureaus who are subsequently retired, pay of.

Civil professors and instructors, Naval Academy, 20 per cent increase in pay.

Commissioned officers of active list shall receive same pay and allowances according to rank and length of service.

Death of officers or men, amount to be paid heirs or persons designated.

Enlisted men, pay increased 10 per cent.

Enlisted men, present pay to remain until changed by Congress.

Hospital Corps, enlisted force, pay.

Irons, use of, as punishment.

Marine Corps, appropriation for increase of pay (pay increased under Army act).

Marine Corps, commandant to have pay and allowances of major general.

Marine Corps, increase in numbers of officers and men.

Midshipmen, pay increased to \$600 at academy and to \$1,400 after graduation from academy.

Nurse Corps (female).

Officers on sea duty shall receive 10 per cent additional.

Officers when 30 years in service may be placed on retired list with three-fourths of the highest pay of grade.

Pay, nothing in act to be construed as reducing.

Pay of officers and men on retired list based on pay of active list.

Pay of officers (except admiral) and men increased.

Pay of officers in each grade on active list.

Pay of the Navy, detailed estimate and schedule to be sent to Congress.

Paymasters' clerks shall receive same pay and allowances as warrant officers.

Warrant officers and mates, pay increased 25 per cent.

Act of Mar. 3, 1909 (60th, 2d):

Changing title of warrant machinist to machinist, and providing for the commissioning of chief machinists to rank with, but after, ensign; and that chief boatswains, chief gunners, and chief machinists shall be eligible to the grade of ensign.

Civilian employees discharged from navy yards for lack of work to be preferred for employment therein for one year.

Crypt and window spaces of Naval Academy chapel to be reserved for memorials to United States naval officers who have rendered distinguished war service.

Discharged naval prisoners to be transported to their homes or places of enlistment, and to be furnished civilian clothing if otherwise they would be without the same.

Marines restored to battleships and armored cruisers in the proportion of 8 per cent of the strength of the enlisted men of the Navy on said vessels.

Retirement in next higher grade of rear admirals, lower nine who have Civil War service.

Act of June 24, 1910 (61st, 2d):

Band, Naval Academy, to be enlisted men (act Apr. 12, 1910, 36 Stats., 297).

Chiefs of bureau, officers serving as, shall, while on active list, retain highest shore-duty pay and allowances of rear admiral of lower nine, and after 30 years' service receive new commissions.

Equipment, Bureau of, distribution of duties among other bureaus.

Nurse Corps (female), \$15 per month in lieu of quarters when quarters not available.

Paymasters' clerks shall receive same pay and allowances and have same rights of retirement as warrant officers of like length of service.

Act of Mar. 4, 1911 (61st, 3d):

Accounts of volunteer officers, Spanish War, to be resettled.

Line officers on active list, performing engineering duty on shore, made additional numbers.

Physical examination for promotion, retirement of officers failing in.

Act of Mar. 7, 1912 (62d, 2d) (37 Stats., 73):

Midshipmen to be commissioned as ensigns upon graduation.

Act of Aug. 22, 1912 (62d, 2d):

Active service of retired officers.

Chiefs of bureaus, repealing provision, act of 1910, as to pay, etc.

Death of officers or men, specifying recipients of six months' pay.

Dental surgeons, assistant, authorized.

Pay Corps, increase of.

Pharmacists commissioned as chief, with rank and pay of chief boatswains.

Reenlistment and extension of term.

Retired under sections 8 and 9, personnel act, officers to have rank and three-fourths sea pay of grade from which retired.

Act of Mar. 4, 1913 (62d, 3d) (37 Stats., 891):

Dental surgeon authorized for Naval Academy.

Services of midshipmen and cadets not to be counted in computing length of service of officers.

Officers appointed from civil life not to be credited with five years' service on date of appointment for computing pay.

Pay of officers detailed on aviation duty increased 35 per cent.

Thirty officers only to be detailed to aviation duty.

Officers above the rank of lieutenant commanders in the Navy and major in the Marine Corps shall not be detailed for actual flying.

Officers advanced in grade since Mar. 3, 1899, to be allowed pay and allowances of higher grade or rank from dates stated in their commissions.

Act of June 30, 1914 (63d, 2d):

Acting chaplains authorized; corps of chaplains reorganized.

Engineer officers performing shore duty only, and construction officers, made eligible for any shore duty compatible with rank and grade.

Bureau of Equipment abolished.

Act of Mar. 3, 1915:

Rank of Admiral and Vice Admiral created.

Authorized transfer of certain line officers to grade of assistant naval constructor.

Authorized additional pay for Navy aviators.

Created office of chief of naval operations.

Making engineer and construction officers eligible for any shore duty.

Authorized medals of honor for officers of the Navy, Marine Corps, and Coast Guard.

Established a Naval Reserve force.

Established a permanent pay clerk corps.

Naval "plucking board" abolished.

Authorized transfer of certain retired naval officers to the active list.

Aviation duty; officers and enlisted men to receive extra pay; gratuity for officers and enlisted men killed in line of duty.



Table 73.—PAY TABLES OF THE NAVY AND MARINE CORPS.

[Commissioned officers are, under ordinary circumstances, paid at the rates shown in Table 3; under certain conditions, however, as explained in the memoranda following the several tables, the rates given in Tables 1 and 2 are those in effect.]

1.—RATES OF PAY OF OFFICERS OF THE LINE, MEDICAL, AND PAY CORPS, IN EFFECT  
PRIOR TO JULY 1, 1899.

Rank.	At sea.	On shore duty.	On leave or waiting orders.
Rear admirals.....	\$6,000	\$5,000	\$4,000
Commodores.....	5,000	4,000	3,000
Captains.....	4,500	3,500	2,800
Commanders.....	3,500	3,000	2,300
Lieutenant commanders:			
First four years after date of commission.....	2,800	2,400	2,000
After four years from date of commission.....	3,000	2,600	2,200
Lieutenants:			
First five years after date of commission.....	2,400	2,000	1,600
After five years from date of commission.....	2,600	2,200	1,800
Lieutenants (junior grade):			
First five years after date of commission.....	1,800	1,500	1,200
After five years from date of commission.....	2,000	1,700	1,400
Ensigns:			
First five years after date of commission.....	1,200	1,000	800
After five years from date of commission.....	1,400	1,200	1,000
Medical and pay directors and medical and pay inspectors and chief engineers having the same rank at sea.....	4,400		
Fleet surgeons, fleet paymasters, and fleet engineers.....	<sup>1</sup> 4,400		
Surgeons, paymasters, and chief engineers:			
First five years after date of commission.....	2,800	2,400	2,000
Second five years after date of commission.....	3,200	2,800	2,400
Third five years after date of commission.....	3,500	3,200	2,600
Fourth five years after date of commission.....	3,700	3,600	2,800
After twenty years from date of commission.....	4,200	4,000	3,000
Passed assistant surgeons and passed assistant paymasters:			
First five years after date of appointment.....	2,000	1,800	1,500
After five years from date of appointment.....	2,200	2,000	1,700
Passed assistant engineers:			
First five years after date of appointment.....	2,000	1,800	1,500
Second five years after date of appointment.....	2,200	2,000	1,700
Third five years after date of appointment.....	2,450	2,250	1,900
Fourth five years after date of appointment.....	2,700	2,350	1,950
Assistant surgeons, assistant paymasters, and assistant engineers:			
First five years after date of appointment.....	<sup>2</sup> 1,700	<sup>2</sup> 1,400	<sup>2</sup> 1,000
After five years from date of appointment.....	<sup>2</sup> 1,900	<sup>2</sup> 1,600	<sup>2</sup> 1,200

<sup>1</sup> These rates of pay being under certain circumstances in excess of the rates provided by act of May 13, 1908, may still be received by officers of the line, Medical and Pay Corps, now in the service on the active list, if commissioned on or prior to July 1, 1899.

<sup>2</sup> Pay of acting assistant surgeons.

## 2.—ACTIVE LIST: RATES OF PAY IN EFFECT PRIOR TO MAY 13, 1908, OF CERTAIN OTHER OFFICERS OF THE NAVY.

Rank.	First 5 years after date of commission.			Second 5 years after date of commission.			Third 5 years after date of commission.		
	At sea.	On shore or other duty.	On leave or waiting orders.	At sea.	On shore or other duty.	On leave or waiting orders.	At sea.	On shore or other duty.	On leave or waiting orders.
Chaplains, with the rank of lieutenant, appointed prior to June 30, 1906.....				\$2,800	\$2,800	\$1,900			
Professors of mathematics and civil engineers.....	\$2,400	\$2,400	\$1,500	2,700	2,700	1,800	\$3,000	\$3,000	\$2,100
Naval constructors.....	3,200	3,200	2,200	3,400	3,400	2,400	3,700	3,700	2,700
	First 5 years' service.			Second 5 years' service.			After 10 years of service.		
Assistant civil engineers.....	\$1,500	\$1,500	\$1,000	\$1,800	\$1,800	\$1,200	\$2,100	\$2,100	\$1,400
	First 4 years' service.			Second 4 years' service.			After 8 years of service.		
Assistant naval constructors.....	\$2,000	\$2,000	\$1,500	\$2,200	\$2,200	\$1,700	\$2,600	\$2,600	\$1,900

Rank.	Fourth 5 years after date of commission.			After 20 years from date of commission.		
	At sea.	On shore or other duty.	On leave or waiting orders.	At sea.	On shore or other duty.	On leave or waiting orders.
Professors of mathematics and civil engineers.....	\$3,500	\$3,500	\$2,600			
Naval constructors.....	4,000	4,000	3,000	\$4,200	\$4,200	\$3,200

Rank.	Per annum.	Rank.	Per annum.
Paymasters' clerks:		Paymasters' clerks—Continued.	
At navy yard and on receiving ship at Mare Island.....	\$1,800	At navy yards at Portsmouth, Norfolk, and Pensacola.....	\$1,400
At navy yards and to general storekeepers at Boston, New York, Philadelphia, and Washington, and on receiving ships at Boston, New York, and Philadelphia.....	1,600	At other stations, yards, and receiving ships; to other general storekeepers; to the general inspectors of the Pay Corps; at the Naval Academy and Naval Home; and on vessels of the first rate.....	1,300

## REMARKS, TABLES 1 AND 2.

1. *Pay, not reduced by act of May 13, 1908.*—"Nothing herein shall be so construed as to reduce the pay or allowances now authorized by law for any commissioned, warrant, or appointed officers, or any enlisted man of the active or retired lists of the Navy." (Act May 13, 1908; see Comp. Dec., Sept. 30, 1908.)

2. *Pay, officers commissioned prior to July 1, 1899.*—Any officer of the line, Medical or Pay Corps, commissioned on or prior to July 1, 1899, is entitled to receive pay according to the then existing law whenever it is in excess of the pay of officers of corresponding rank in the Army or the pay provided by act of May 13, 1908. (Acts Mar. 3, 1899; June 7, 1900; and May 13, 1908; see Comp. Dec., Sept. 30, 1908.)

3. *Acting assistant surgeons, pay.*—An acting assistant surgeon appointed by authority of the act of May 4, 1898 (30 Stat., 380), is entitled to the same pay and allowances

as an assistant surgeon of like length of service. (Reversing all Comptroller's decisions and decision of the Court of Claims, Jan. 29, 1906, relative to compensation of acting assistant surgeons.) (Dec. of Supreme Court, Apr. 1, 1912.)

4. *Acting assistant surgeons, quarters and rations.*—(See Comp. Dec., Oct. 5, 1903.)

(a) *Rations.*—Acting assistant surgeons when attached to and doing duty aboard a seagoing vessel are entitled to rations or commutation therefor. (Comp. Dec., June 8, 1909.) (See Comp. Dec., June 10, 1912.)

5. *Leave pay.*—Commissioned officers; see note 7, Table 3.

(a) Warrant officers receive leave pay as shown in Table 4.

(b) Paymasters' clerks are entitled to pay while on leave. (Comp. Dec., Oct. 31, 1910; see also note 3a, Table 4.)

6. *Chaplains.*—All chaplains (other than those in the service with the rank of lieutenant on June 29, 1906, whose pay would be reduced by the act of May 13, 1908) receive the pay of their rank as provided by act of May 13, 1908, provided that such pay and allowances shall not exceed those of a lieutenant commander. (See acts June 29, 1906; May 13, 1908; see also note 8, Table 3.)

### 3.—PAY PROVIDED BY ACT OF MAY 13, 1908, FOR COMMISSIONED OFFICERS OF THE NAVY.

[“Hereafter all commissioned officers of the active list of the Navy shall receive the same pay and allowances according to rank and length of service, and the annual pay of each grade shall be as follows:” (Act May 13, 1908.)]

Grade.	Pay.	Grade.	Pay.
Admiral.....	\$13,500	Commander.....	\$3,500
Rear admiral, first nine.....	8,000	Lieutenant commander.....	3,000
Rear admiral, second nine (or commodore).....	6,000	Lieutenant.....	2,400
Captain.....	4,000	Lieutenant (junior grade).....	2,000
		Ensign.....	1,700

REMARKS, TABLE 3.

1. *Pay, longevity.*—“There shall be allowed and paid to each commissioned officer below the rank of rear admiral ten per centum of his current yearly pay for each term of five years' service in the Army, Navy, and Marine Corps. The total amount of such increase for length of service shall in no case exceed forty per centum on the yearly pay of the grade as provided by law: *Provided*, That the annual pay of captain shall not exceed five thousand dollars per annum; of commander four thousand five hundred dollars per annum; and of lieutenant commander four thousand dollars per annum.” (Act May 13, 1908.)

2. *Constructive service.*—Officers receiving pay at rates provided by the act of May 13, 1908, who have been appointed from civil life, are entitled for the purpose of computation of pay to the credit of five years' service provided by act of March 3, 1899. (See Comp. Dec., June 13, 1908.)

(a) This is applicable only to officers appointed on or prior to March 3, 1913, since the naval appropriation act approved March 4, 1913, provides:

“Hereafter the service of a midshipman at the United States Naval Academy, or that of a cadet at the United States Military Academy, who may hereafter be appointed to the United States Naval Academy, or to the United States Military Academy, shall not be counted in computing for any purpose the length of service of any officer in the Navy or in the Marine Corps.

“That so much of an act entitled ‘An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps,’ approved March third, eighteen hundred and ninety-nine, which reads as follows: ‘and that all officers, including warrant officers, who have been or may be appointed to the Navy from civil life shall, on the date of appointment, be credited for computing their pay, with five years' service,’ shall not apply to any person entering the Navy from and after the passage of this act: *Provided*, That section fourteen hundred and eighty-six of the Revised Statutes shall not apply in the case of officers who enter the Navy after the passage of this act and all such officers shall take precedence when of the same grade according to their respective dates of commission in that grade.”

(b) A paymaster's clerk who was entitled to a constructive service credit while serving under appointments made prior to Mar. 4, 1913, continues to be entitled to this credit on reappointment made on or subsequent to Mar. 4, 1913. (Comp. Dec., May 22, 1913.)



3. *Pay, sea duty, and shore duty beyond seas.*—"All officers on sea duty and all officers on shore duty beyond the continental limits of the United States shall while so serving receive ten per centum additional of their salaries and increase as above provided, and such increase shall commence from the date of reporting for duty on board ship or the date of sailing from the United States for shore duty beyond the seas or to join a ship in foreign waters." (Act May 13, 1908.)

(a) This provision applies only to commissioned officers receiving pay at rates contained in Table 3. (See Comp. Dec., June 13, 1908.)

(b) Commissioned officers attached to and doing duty aboard receiving ships are entitled to the additional 10 per cent for sea service. (Comp. Dec., July 13, 1908.)

(c) An officer attached to a receiving ship and occupying Government quarters on shore is not entitled to the 10 per cent additional pay provided for sea service. (Comp. Dec., Apr. 30, 1910.)

(d) An officer detached from shore duty beyond seas and ordered home continues to be entitled to the additional 10 per cent of his pay until his arrival in the United States. (Decision of the Court of Claims, Feb. 13, 1911.)

(e) An officer detached from one sea duty and under orders to proceed and proceeding to another sea duty is not entitled to the 10 per cent additional pay provided for sea service. (Comp. Dec., Jan. 10, 1914.)

(f) The law makes no provision for 10 per cent increase in naval officers' pay while traveling from shore duty beyond seas to join a vessel in foreign waters or vice versa. (Comp. Dec., June 24, 1913.)

(g) An officer of the Navy is not entitled to 10 per cent increase of pay while returning from sea duty in foreign waters to the United States either to shore duty therein or under orders to join another ship in home waters. (Comp. Dec., July 22, 1913.)

(h) Officers of the Navy while serving on shore duty beyond seas are entitled while on leave taken abroad to 10 per cent additional pay provided for such duty. (Comp. Dec., Mar. 29, 1913.)

An officer detached from shore duty beyond seas and ordered to his home, with permission to delay en route, is entitled to the 10 per cent increase authorized by the act of May 13, 1908, until his return to the United States. (Dec. of Court of Claims, 31159, Apr. 14, 1913.)

(i) Commissioned officers on duty at the Naval Academy ordered to "special temporary duty" on a vessel for practice cruise with midshipmen are entitled to the 10 per cent additional for sea duty while so serving. (Comp. Dec., Oct. 22, 1909.)

(j) Commissioned officers on sea duty ordered to hospital for treatment without orders granting sick leave or detaching them from duty are entitled to a continuance of 10 per cent additional pay received for sea duty. (Comp. Dec., May 15, 1909.)

(k) An officer attached to a seagoing vessel while on special temporary duty away from his ship under orders expressly imposing upon him the continued discharge of his sea duties, is entitled to the 10 per cent additional pay received for sea duty. (Comp. Dec., Jan. 20, 1910.)

(l) An officer attached to a seagoing vessel while on special temporary duty away from his ship under orders which do not have the effect of detaching him from his sea duties, is entitled to the 10 per cent additional pay received for sea duty. (Comp. Dec., Feb. 23, 1910.)

(m) An officer quartered and performing paramount duty on a receiving ship is entitled to 10 per cent additional. (Comp. Dec., Nov. 22, 1911.)

(n) An officer detached from sea duty beyond seas and directed to proceed to his home is not entitled to the 10 per cent increase in pay while so en route. The right to the 10 per cent additional pay for sea service ceases on the date of the officer's detachment. (Comp. Dec., June 30, 1911.)

(o) An officer detached from shore duty and ordered to take passage on a specified date for duty beyond seas is, during the interim, entitled to shore duty pay. (Comp. Dec., Feb. 14, 1912.)

(p) An officer temporarily absent from sea duty and performing duty ashore under orders practically relieving him from all duty aboard his ship is not entitled to the additional 10 per centum while performing such shore duty. (Comp. Dec., June 30, 1909; see also Comp. Dec., Nov. 26, 1909.)

(q) An officer who reports for duty on board a vessel of the Navy the second day following his detachment from another vessel is not entitled to the 10 per cent additional pay for sea duty for the one day when he was neither in the status of an officer on sea duty nor of an officer detailed for shore duty beyond seas. (Comp. Dec., Apr. 23, 1910.)

(r) Officers absent from sea duty on temporary leave; see note 7 (a).

4. *Pay, chiefs of bureaus and assistants to bureaus.*—Section 1565, Revised Statutes, fixes pay as follows: The pay of chiefs of bureaus in the Navy Department shall be

the highest pay of the grade to which they belong, but not below that of commodore (rear admiral of the junior nine). (Act Mar. 3, 1871; act May 13, 1908.) That the portion of the act entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eleven, and for other purposes," approved June twenty-fourth, nineteen hundred and ten, which reads as follows:

"The pay and allowances of chiefs of bureaus of the Navy Department shall be the highest shore-duty pay and allowances of the rear admiral of the lower nine, and all officers of the Navy who are now serving or who shall hereafter serve as chief of bureau in the Navy Department, and are eligible for retirement after thirty years' service, shall have, while on the active list, the rank, title, and emoluments of a chief of bureau, in the same manner as is already provided by statute law for such officers upon retirement by reason of age or length of service, and such officers, after thirty years' service, shall be entitled to and shall receive new commissions in accordance with the rank and title hereby conferred," be, and the same is hereby, repealed: *Provided*, That no officer who has received his commission under the provisions of said act shall be deprived of said commission or the rank, title, and emoluments thereof by virtue of this repeal. (Act June 24, 1910; act Aug. 22, 1912.)

(a) Assistants to chiefs of bureaus are entitled to the highest pay of their grade.

(b) Chiefs of bureaus and assistants to chiefs of bureaus are not entitled to the 10 per centum additional of their pay allowed for sea duty as a part of the "highest pay of their grade." (See Comp. Dec., June 30, 1908; Aug. 7, 1908; Aug. 19, 1908.)

(c) A rear admiral of the second nine when chief of a bureau is not entitled to the pay of a rear admiral of the first nine, as "the highest pay of the grade." (Comp. Dec., Apr. 14, 1909.)

5. *Pay, sea, for shore duty.*—The commandant of the Mare Island Navy Yard and the superintendent of the Naval Academy are entitled to the 10 per cent additional pay allowed for sea service by act of May 13, 1908. (Joint resolution of Congress Mar. 3, 1863, act Sept. 28, 1850; Comp. Dec., Oct. 31, 1904; July 16, 1908.)

6. *Aids to rear admirals.*—"Aids to rear admirals embraced in the nine lower numbers of that grade shall each receive one hundred and fifty dollars additional per annum; and aids to all other rear admirals two hundred dollars additional per annum each." (Act May 13, 1908.)

(a) Fleet engineers are not entitled to the extra compensation allowed aids to rear admirals by the act of May 13, 1908. (Comp. Dec., July 31, 1908.)

(b) Not more than three aids on the staff of a rear admiral of the upper or lower nine. (Comp. Dec., May 13, 1909; June 22, 1909; May 25, 1910.)

(c) Aids are not entitled to additional pay as such while serving on the staff of a division commander who holds the rank of rear admiral under authority of section 1434 of the Revised Statutes. (Comp. Dec., July 26, 1910.)

(d) Aids to rear admirals are entitled to additional pay as such while on authorized leave of absence provided they continue to hold said position while so absent. (Comp. Dec., Aug. 12, 1910.)

(e) A lieutenant of the Navy ordered by the Secretary of the Navy to report to a rear admiral commandant of a station for duty as his aid is entitled to the additional pay therefor as provided by the act of May 13, 1908 (35 Stat., 128). (Comp. Dec., Mar. 21, 1912.)

(f) An officer above the rank of lieutenant serving as aid to a rear admiral in command of a division is not entitled to additional pay for such service. (Comp. Dec., Aug. 5, 1914.)

7. *Leave pay.*—All commissioned officers receive while on leave the full pay of their grade as established by the act of May 13, 1908, for leave authorized by statute; and for leave in excess of "statutory leave," one-half such full pay, or in the case of officers commissioned prior to May 13, 1908, to the rate of leave pay in effect prior to that date, if greater. (Op. Atty. Gen., Apr. 5, 1909; Comp. Dec., Apr. 16, 1909; May 26, 1909; act May 13, 1908.)

(a) Officers on leave of absence from sea duty are not, while on such leave, entitled to the 10 per centum additional pay. (Comp. Dec., Apr. 24, 1909.)

8. *Chaplains appointed subsequent to June 29, 1906*, and all chaplains above rank of lieutenant, receive pay according to rank (act June 29, 1906); provided such pay and allowances shall not exceed those of a lieutenant commander. (Acts June 29, 1906, and May 13, 1908.) Chaplains in the service having rank of lieutenant on June 29, 1906, whose pay would be reduced by act of May 13, 1908, are, however, entitled to pay of such chaplains as provided in Table 2. (See note 6, Table 2.)

9. *Commencement of pay as ensign.*—Pay as ensign does not begin until date of qualification and acceptance of commission, provided commission is not issued within six months after graduation; if commission is issued and accepted prior to six months



from date of graduation, he shall be allowed pay of ensign from date he takes rank as stated in his commission. (Comp. Dec., June 28, 1910.)

(a) An officer suspended from promotion is not entitled under the provision of the act of Mar. 4, 1913 (37 Stat., 892), to the pay of the higher grade when commissioned therein until the date of the first vacancy occurring, when the grade is limited, subsequent to expiration of period of suspension. (Comp. Dec., June 23, 1913.)

(b) An officer suspended from promotion by reason of failure to qualify in examinations therefor and who subsequently qualifies and is promoted, is not entitled to the pay and allowances of the higher rank until the date of qualification as fixed by his reexamination. (Comp. Dec., Oct. 15, 1913.)

10. That all officers of the Navy who, since the 3d day of March, 1899, have been advanced or may hereafter be advanced in grade or rank pursuant to law shall be allowed the pay and allowances of the higher grade or rank from the dates stated in their commissions. (Naval appropriation act, approved Mar. 4, 1913.)

11. An acting assistant surgeon discharged from the service and ordered to his home is entitled to mileage at the rate of 4 cents per mile for the travel so performed. (Navy personnel act, Mar. 3, 1899 (30 Stat., 1004); Army appropriation act, Mar. 2, 1901 (31 Stat., 895, 902), and decision of the Supreme Court, No. 177, *Plummer v. United States*.) (Comp. Dec., Apr. 29, 1912.)

12. That from and after the passage and approval of this act the pay and allowances that are now or may be hereafter fixed by law for officers of the Navy and Marine Corps shall be increased 35 per centum for such officers as are now or may hereafter be detailed by the Secretary of the Navy on aviation duty: *Provided*, That this increase of pay and allowances shall be given to such officers only as are actual flyers of heavier-than-air craft, and while so detailed: *Provided further*, That no more than thirty officers of the Navy and marine Corps shall be detailed to aviation service: *Provided further*, That no officer above the rank of lieutenant commander in the Navy or major in the Marine Corps shall be detailed for actual flying: *Provided further*, That nothing in this provision shall be construed to increase the total number of officers now in the Navy or Marine Corps. (Naval appropriation act, approved Mar. 4, 1913.)

(a) The term "pay and allowances" as used in the act of Mar. 4, 1913, providing an increase of 35 per cent to officers of the Navy detailed for aviation duty, includes mileage. (Comp. Dec., May 9, 1913.)

(b) An officer detailed for aviation duty is entitled to the increased pay authorized by the act of Mar. 4, 1913, from the date of the issuance to him of orders for such duty *if he was engaged in actual flying when the orders were issued*. (Comp. Dec., Apr. 14, 1913.)

(c) Officers properly detailed for aviation duty and who while on duty are actual flyers of heavier-than-air craft are entitled to the increased pay provided by law while on authorized leave of absence. (Comp. Dec., Aug. 14, 1914.)

13. The appointment of an ensign to be an assistant naval constructor is a new appointment and not an advance in grade, and hence does not come within the purview of the act of March 4, 1913, which provides that: "All officers of the Navy who, since the 3d day of March, 1899, have been advanced or may hereafter be advanced in grade or rank pursuant to law shall be allowed the pay and allowances of the higher grade or rank from the dates stated in their commissions." (Comp. Dec., Sept. 19, 1913.)



TABLE 4.—PAY OF MIDSHIPMEN, WARRANT OFFICERS, PAY CLERKS, AND MATES, AS PROVIDED BY ACT OF MAY 13, 1908.

Rank.										
Midshipmen:										
After graduation from Naval Academy.....										
At Naval Academy.....										
		First 3 years' service.			Second 3 years' service.			Third 3 years' service.		
		At sea.	On shore or other duty.	On leave or waiting orders.	At sea.	On shore or other duty.	On leave or waiting orders.	At sea.	On shore or other duty.	On leave or waiting orders.
Warrant officers: Boatswains, gunners, carpenters, sailmakers, pharmacists, and machinists:										
Pay clerks.....		\$1,500	\$1,125	\$875	\$1,625	\$1,250	\$1,000	\$1,750	\$1,625	\$1,125
		At sea.	Shore duty.	On leave or waiting orders.						
Mates:										
Those in service Aug. 1, 1894....		\$1,500	\$1,125	\$875						
Those appointed since.....		1,125	875	625						
Rank.		Fourth 3 years' service.			After 12 years' service.					
		At sea.	On shore or other duty.	On leave or waiting orders.	At sea.	On shore or other duty.	On leave or waiting orders.			
Warrant officers: Boatswains, gunners, carpenters, sailmakers, pharmacists, and machinists:										
Pay clerks.....		\$2,000	\$1,625	\$1,250	\$2,250	\$2,000	\$1,500			

## REMARKS, TABLE 4.

1. *Pay warrant officers, etc., act of May 13, 1908.*—"The pay of all warrant officers and mates is hereby increased twenty-five per centum." (Act May 13, 1908.)

(a) (The rates of pay given in the above table include the increase of 25 per cent referred to above.)

2. *Longevity pay; computation of.*—Officers of the Navy receiving pay in accordance with Table 2 or Table 4 whose pay is based on length of service are entitled to credit, in computation of pay, for all previous service in the Navy (or constructive service if appointed from civil life) only in the lowest grade having graduated pay held by them since last entering the service. (See Comp. Dec., Aug. 10, 1899, and Mar. 12, 1901.)

3. *Leave.*—A warrant officer ordered home and granted leave is not entitled to duty pay while traveling to his home. (Comp. Dec., Apr. 13, 1910.)

(a) A paymaster's clerk receiving leave during the period that the appointment as paymaster's clerk remained in force and effect is entitled to the leave pay of a warrant officer of like length of service in the Navy. (Comp. Dec., Oct. 31, 1910.)

4. *Pay, paymaster's clerks.*—"All paymasters' clerks shall, while holding appointment in accordance with law, receive the same pay and allowances and have the same rights of retirement as warrant officers of like length of service in the Navy." (Act of June 24, 1910.)

(a) Acceptance of appointment and the taking of the oath of office are necessary before a paymaster's clerk is entitled to pay and allowances as such. (Comp. Dec., Oct. 11, 1910.)

(b) The appointment of a paymaster's clerk terminates by operation of law simultaneously with the termination of the duty entitling the pay officer to a clerk. (Comp. Dec., Sept. 24, 1910.) (See Comp. Dec., May 7, 1912.)

(c) Paymaster's clerks are not entitled to pay for time spent in travel home after expiration of time allowed for settlement of accounts after detachment. (Comp. Dec., Apr. 1, July 29, and Sept. 29, 1909.)

5. *Paymasters' clerks; constructive service; mileage, etc.*—Paymasters' clerks who were in the service at the time of the passage of the act of May 13, 1908, and those appointed since that date are entitled to credit of five years' constructive service if appointed from civil life. (See Comp. Dec., June 13, 1908; Nov. 9, 1908. See also Note 2, Table 3, subparagraph (b).)

(a) A paymaster's clerk whose appointment is terminated and who within a few days accepts another appointment in the Navy is not entitled to credit for constructive service. (Comp. Dec., Apr. 20, 1910.)

(b) Paymasters' clerks, by provision of act of May 13, 1908, are entitled to mileage under same conditions as warrant officers. (See Comp. Dec., July 13, 1908.)

(c) A paymaster's clerk traveling to his home under orders after the termination of the duty of the paymaster with whom he was appointed to serve, including the time of settling accounts after detachment, is entitled to mileage. (Comp. Dec., Sept. 27, 1912, and Ct. C., Feb. 12, 1912.)

(d) A paymaster's clerk appointed to assist a pay officer in the settlement of his accounts, no travel having been required of or made by him, is entitled to pay and allowances during the time allowed by law for such settlement only. (Comp. Dec., Jan. 14, 1910.)

(e) By a decision of the Court of Claims, No. 27838, February 12, 1912, in the case of *George T. Davis v. The United States*, it is held that a paymaster's clerk is entitled to pay and allowances until his arrival home *under orders directing the travel and revoking his appointment upon arrival at his home*. (Comp. Dec., May 7, 1912.)

(f) An advance of pay to a paymaster's clerk which has not been authorized by the Secretary of the Navy is illegal; and the purchasing pay officer who made the advance payment is responsible for any loss to the Government resulting from such illegal payment. (Comp. Dec., June 11, 1912.)

6. *Midshipmen, warrant officers, paymasters' clerks, sea duty.*—Midshipmen, warrant officers, and paymasters' clerks on sea duty or shore duty beyond the continental limits of the United States are not entitled to the 10 per cent additional pay allowed by act of May 13, 1908, to commissioned officers of the Navy for such duty. (Comp. Dec., June 13, 1908, and Oct. 14, 1910.)

7. *Rations, officers.*—All officers of the Navy, except commissioned officers of the line, medical and pay corps, chaplains, and commissioned warrant officers, are entitled to a ration or commutation therefor at the rate of 30 cents per day while attached to and doing duty aboard a seagoing vessel of the Navy. Midshipmen are entitled to the ration or commutation therefor at all times. (See Comp. Dec., July 13, 1908; Apr. 23, 1909; naval approp. act. Mar. 3, 1909.)

(a) The accounts of officers subsisted by the general mess of a vessel while serving temporarily on shore should be checked with the cost of the rations issued, as shown by the actual issues to crew and marines during the period covered by their subsistence. (Comp. Dec., Feb. 18, 1910.)

(b) Officers attached to and doing duty on a receiving ship are not entitled to the commutation for rations allowed while at sea or attached to a seagoing vessel. (Comp. Dec., Aug. 25, 1910.)

8. *Mates, pay and allowances.*—Mates occupy the status of both "officers of the Navy and enlisted men." (Op. Atty. Gen., Oct. 15, 1907.)

Mates are entitled to the honorable discharge gratuity, the travel allowance of 4 cents per mile allowed enlisted men upon discharge, and additional pay when designated as Navy mail clerks, under the same conditions as enlisted men; but they are not entitled to continuous-service pay, additional pay for good-conduct medals, or other compensation heretofore fixed by the President. (Comp. Dec., Jan. 28, 1908; Oct. 2, 1908.) They are entitled to commutation of quarters under the same conditions as warrant officers, but are not entitled to heat and light allowance. They are entitled to rations or commutation therefor when attached to and doing duty aboard a seagoing vessel, a receiving ship, or a ship in ordinary at a navy yard. (12 Comp. Dec., 728.)

A mate, rated as such subsequent to August 1, 1894, who was retired upon application to the President and after 30 years' service, is entitled, in computing his pay, to 75 per cent of the pay he was receiving at the time of his retirement and, in addition, \$15.75 per month as allowances. (Comp. Dec., Feb. 3, 1912.)

## GENERAL REMARKS.

1. *Constructive service.*—All officers, including naval chaplains and warrant officers, who have been or may be appointed to the Navy from civil life, shall on the date of appointment be credited, for computing their pay, with five years' service. (Act Mar. 3, 1899, sec. 13.) Paymasters' clerks appointed from civil life are entitled to this allowance in accordance with note 5, Table 4. (See note, 2, Table 3, subparagraphs (a) and (b).) (See "Remarks, Table 3, 2 (a).")

(a) The provision in section 13 of the Navy personnel act of March 3, 1899 (30 Stat., 1007), granting a credit of five years' service in computing the pay of officers appointed to the Navy from civil life, applies only to those appointed to the active list. (Comp. Dec., Jan. 8, 1910.)

(b) The gratuity of five years' service provided by section 13 of the personnel act of March 3, 1899, is intended for an officer who enters the Navy from the occupation and pursuits of civil life, and does not apply to a paymaster's clerk who, after a service of several years, either resigns or has his appointment terminated by direct action of law and then within a few days accepts another appointment in the Navy. (Comp. Dec., Apr. 20, 1910.)

2. *Promotion.*—An officer advanced from one rank to another within the same grade is entitled to the pay of the advanced rank on the date on which he attains the higher rank, provided that the Senate shall consent to the advancement as of date on which he reached the higher rank. (Comp. Dec., Apr. 22 and 30, 1910.)

3. *Hospital fund.*—Twenty cents a month is deducted from the pay of each person of the Navy and Marine Corps, active and retired, to be applied to the Naval Hospital fund. (Sec. 4808, R. S.)

4. *Death, gratuity, officers, and enlisted men.*—"That the act approved May thirteenth, nineteen hundred and eight, making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and nine, and for other purposes, in so far as it relates to the payment of six months' pay to the widow of an officer or enlisted man, and so forth, be amended to read as follows:

"That hereafter immediately upon official notification of the death, from wounds or disease not the result of his own misconduct, of any officer or enlisted man on the active list of the Navy and Marine Corps the Paymaster General of the Navy shall cause to be paid to the widow, and if no widow, to the children, and if there be no children, to any other dependent relative of such officer or enlisted man previously designated by him, an amount equal to six months' pay at the rate received by such officer or enlisted man at the date of his death, less seventy-five dollars in the case of an officer and thirty-five dollars in the case of an enlisted man to defray expenses of interment, and the residue, if any, of the amount reserved shall be paid subsequently to the designated person.'" (Act Aug. 22, 1912.)

(a) Payment of death gratuity is not authorized should there be no widow, and no previously designated beneficiary (see Comp. Dec., June 26, 1908; May 12, 1909); nor in the case of a retired officer on active duty at time of death. (See Comp. Dec., Oct. 13, 1908.)

(b) Payment of death gratuity is authorized in case of death of acting assistant surgeons, and midshipmen at the Naval Academy (see Comp. Dec., Sept. 30, 1908; July 17, 1908), and paymasters' clerks. (See Comp. Dec., June 13, 1908.)

5. *Medical Reserve Corps and Dental Corps.*—That a Medical Reserve Corps, to be a constituent part of the Medical Department of the Navy, is hereby established under the same provisions in all respects (except as may be necessary to adapt the said provisions to the Navy) as those providing a Medical Reserve Corps for the Army, and as set forth in the act to increase the efficiency of the Medical Department of the United States Army, approved April twenty-third, nineteen hundred and eight.

That the appointment of not more than thirty assistant dental surgeons be, and the same is hereby, authorized, said assistant dental surgeons to be a part of the Medical Department of the United States Navy, to serve professionally the personnel of the naval service, and to perform such other duties as may be prescribed by competent authority.

That all original appointments herein authorized shall be made by the Secretary of the Navy in the grade of acting assistant dental surgeon, and all appointees to such grade shall be citizens of the United States between twenty-four and thirty-two years of age, and shall be graduates of standard medical or dental colleges trained in the several branches of dentistry, of good moral character, of unquestionable professional repute, and before appointment shall pass satisfactory physical and professional examinations, including tests of skill in practical dentistry, of proficiency in the several usual subjects in a standard dental college course, and in such other subjects of general education as are now or may hereafter be required for admission to the Medical Corps of the Navy.



That at the end of three years from the passage of this act all acting assistant dental surgeons who have had two or more years' service under their original appointment, as herein provided, shall undergo such physical and competitive professional examinations as the Secretary of the Navy may prescribe to determine their fitness to receive commissions in the Navy, and if found qualified they shall be appointed assistant dental surgeons, with the rank of lieutenant (junior grade), in the order of standing as determined by the professional examinations provided for in this act.

That after the competitive examinations provided for in section three of this act have been held, acting assistant dental surgeons thereafter appointed shall serve a probationary period of three years, and upon the completion of such period shall undergo such examinations as the Secretary of the Navy may prescribe to determine their fitness to receive commissions in the Navy, and if found qualified, they shall be appointed assistant dental surgeons, with the rank of lieutenant (junior grade).

That if any acting assistant dental surgeon shall fail upon the examinations prescribed in this act he shall be honorably discharged from the naval service, and the appointment of an acting dental surgeon may be revoked at any time in the discretion of the Secretary of the Navy.

That all appointees authorized by this act shall take rank and precedence in the same manner in all respects as in the case of appointees to the Medical Corps of the Navy, and shall not exercise command over persons in the Navy other than dental surgeons and such enlisted men as may be detailed to assist them by competent authority.

That all officers of the dental corps authorized by this act shall receive the same pay and allowances as officers of corresponding rank and length of service in the Medical Corps of the Navy.

That all officers of the dental corps authorized by this act shall be eligible to retirement in the same manner and under the same conditions as officers of the Medical Corps of the Navy: *Provided*, That section fourteen hundred and forty-five of the Revised Statutes of the United States shall not be applicable to the officers herein authorized: *And provided further*, That the dentist now employed at the Naval Academy shall not be displaced by the operation of this act and he shall have the same official status, pay, and allowances as may be provided for the senior dental surgeon at the Military Academy.

That the Secretary of the Navy is hereby authorized to appoint, for temporary service, suitably qualified acting dental surgeons when necessary to the health and efficiency of the personnel of the naval service: *Provided*, That the total strength of the dental corps, including those appointed for temporary service under this act, shall not exceed the proportion of one to each thousand of the authorized enlisted strength of the Navy and Marine Corps: *Provided further*, That appointments issued under authority of this act may be revoked at any time, shall have no legal force or effect except for the time the temporary appointee is in active service, and shall include no right of retirement.

That all appointments authorized by this act, except the appointment of acting dental surgeons, shall be made by the President, by and with the advice and consent of the Senate.

That all laws and parts of laws inconsistent with the provisions of this act be, and the same are hereby, repealed: *Provided*, That the tests of qualifications for appointment to the said reserve corps and to the dental corps may be varied to suit the subjects of such branch of the healing art or specialty of surgery of which specialists may be required and in the discretion of the Secretary of the Navy such specialists may be grouped separately: *Provided further*, That of the dental surgeons hereby authorized to be appointed to said Medical Reserve Corps and to the said dental corps, the whole number ordered to active duty shall not exceed the number the Secretary of the Navy may deem actually necessary to the health and efficiency of the personnel of the Navy and Marine Corps, and in time of peace the number shall not exceed the proportion of one dental officer to one thousand of said personnel.

That pharmacists shall, after six years from date of warrant, be commissioned chief pharmacists after passing satisfactorily such examination as the Secretary of the Navy may prescribe, and shall, on promotion, have the rank, pay, and allowances of chief boatswains. (Act Aug. 22, 1912.)

(a) Officers of the Medical Reserve Corps are entitled to the pay and allowances of their grade only while serving under orders which clearly put them in a duty status. (Comp. Dec., Oct. 13, 1914.)

#### RETIRED OFFICERS.

1. *Proportion of active-duty pay not affected by act of May 13, 1908.*—The laws as to retirement and the proportion of active-duty pay to be allowed after retirement remain as before the passage of the act of May 13, 1908. (Comp. Dec., Oct. 16, 1908.)

2. *Retirement after 30 years' service.*—"When an officer of the Navy has been thirty years in the service he may, upon his own application, in the discretion of the President, be retired from active service and placed upon the retired list with three-fourths of the highest pay of his grade." (Act May 13, 1908.)

3. *Chiefs of bureaus.*—"Any officer of the Navy who is now serving or shall hereafter serve as chief of a bureau in the Navy Department, and shall subsequently be retired, shall be retired with the rank, pay, and allowances authorized by law for the retirement of such bureau chief." (Act May 13, 1908; act Aug. 22, 1912.)

4. *Rates, base.*—"The pay of all commissioned, warrant, and appointed officers and enlisted men of the Navy now on the retired list shall be based on the pay, as herein provided for, of commissioned, warrant, and appointed officers and enlisted men of corresponding rank and service on the active list." (Act May 13, 1908.)

5. *Ten per cent additional not allowed.*—"In computing the pay of retired officers of the Navy, the 10 per cent additional pay allowed for sea service or shore duty beyond seas shall not be included." (General deficiency act, May 30, 1908; see Comp. Dec., June 26, 1908.)

6. *Civil War service.*—"Any officer of the Navy with a creditable record who served during the Civil War shall, when retired, be retired with the rank and three-fourths of the sea pay of the next higher grade." (Act Mar. 3, 1899, sec. 11.)

7. *Rates of pay.*—Officers on the retired list receive (according to the way in which they are retired) either three-fourths or one-half of the sea pay of the grade or rank which they held at the time of their retirement, or one-half the leave pay of such rank or grade, which is "furlough pay." (Sec. 1588, R. S.; see Comp. Dec., Aug. 13, 1908; Oct. 16, 1908; see also note 5, above.)

8. *Active duty.*—Hereafter any naval officer on the retired list may, with his consent, in the discretion of the Secretary of the Navy, be ordered to such duty as he may be able to perform at sea or on shore, and while so employed in time of peace shall receive the pay and allowances of an officer of the active list of the same rank: *Provided*, That no such retired officer so employed on active duty shall receive, in time of peace, any greater pay and allowances than the pay and allowances which are now or may hereafter be provided by law for a lieutenant, senior grade, on the active list of like length of service: *And provided further*, That any such officer whose retired pay exceeds the highest pay and allowances of the grade of lieutenant, senior grade, shall, while so employed in time of peace, receive his retired pay only in lieu of all other pay and allowances. (Act Aug. 22, 1912.)

(a) A retired officer whose retired pay is greater than the active-duty pay of a lieutenant of like length of service, and who, while assigned to active duty, occupies public quarters, is not entitled to receive his retired pay, but will receive the active-duty pay of a lieutenant of like length of service. (Comp. Dec., July 29, 1914.)

(b) Notice of dissolution of the court on which a retired officer was ordered is sufficient to terminate his assignment to active duty under that order. (Comp. Dec., Sept. 29, 1910.)

(c) A retired officer of the Navy detached from duty and ordered to report to a naval hospital for treatment is not, while being treated therein, performing active duty within the meaning of the act of June 7, 1900 (31 Stat., 703), and is not entitled under said act to active-duty pay while undergoing treatment in the hospital and while returning to his home after being discharged therefrom. (Comp. Dec., Dec. 21, 1910.)

#### ALLOWANCES, OFFICERS: QUARTERS, HEAT, AND LIGHT.

*Commutation of quarters.*—(a) The monthly commutation allowance for quarters of the Admiral of the Navy is fixed by law at \$125.

(b) Other commissioned officers of the Navy on shore duty where there are no public quarters for their accommodation, or where quarters have not been hired for their use, are entitled to commutation of quarters at the rate of \$12 per month for each room to which their rank entitles them, as shown in the tables below.

Officers with the rank of—	Rooms allowed.	Commutation.
Rear admiral, first 9 . . . . .	9	\$108
Rear admiral, second 9 . . . . .	8	96
Captain . . . . .	7	84
Commander . . . . .	6	72
Lieutenant commander . . . . .	5	60
Lieutenant . . . . .	4	48
Lieutenant (junior grade) . . . . .	3	36
Ensigns and all other officers entitled by law to quarters . . . . .	2	24



(c) Commissioned warrant officers, warrant officers, paymasters' clerks, and mates are each entitled under above conditions to commutation of quarters for two rooms.

(d) An officer in receipt of commutation of quarters is entitled to same while temporarily absent on duty in the field. (Comp. Dec., Oct. 20, 1910.)

(e) A retired officer ordered to active duty whose orders do not specify where the shore duty on which he was to be employed should be performed, and who has selected his home as his station for the purpose of such duty, is entitled to commutation of quarters, notwithstanding that he reported by letter instead of in person. (Comp. Dec., Apr. 14, 1910.)

(f) An officer on duty at a station where public quarters are available is not entitled to commutation of quarters even though he can not be assigned the full number of rooms to which his rank entitles him. (Comp. Dec., Oct. 31, 1913.)

(g) An officer ordered to duty with the Navy rifle team and furnished a tent for quarters while on such duty is not entitled to commutation of quarters. (Comp. Dec., Aug. 15, 1914.)

*Allowance, heat and light.*—Hereafter heat and light actually necessary for the authorized allowance of quarters for officers and enlisted men shall be furnished at the expense of the United States under such regulations as the Secretary of War may prescribe. (Army appropriation act approved Mar. 2, 1907, Arts. R-4514 and R-4515, N. R., 1913.)

(a) Allowances for heat and light to officers occupying public quarters and quarters other than public will be as provided by General Order No. 115 of August 18, 1914, and General Order No. 152 of July 1, 1915.

(b) An officer who is assigned Government quarters furnished with heat and light, but who prefers not to occupy them and lives elsewhere, is not entitled to reimbursement for the expenses of heat and light in the quarters he chooses to occupy in preference to those assigned him by the Government. (Comp. Dec., Feb. 18, 1910.)

(c) An officer taking his meals only at a place where he certifies it is impracticable to furnish fuel in kind, but occupying quarters which it is practicable for the Government to heat, is not allowed a credit of the money value, but is entitled to fuel in kind for the quarters occupied. (Comp. Dec., Oct. 8, 1910.)

(d) An officer maintaining two residences as quarters during the same period is not entitled to have heat and light supplied to both at Government expense during said period even though his accumulated allowances should not be exceeded. (Comp. Dec., May 27, 1910.)

(e) Officers attached to seagoing vessels are not entitled to commutation of quarters or heat and light allowance while on temporary special duty away from their ships under orders expressly imposing a continuation of their sea duties. (Comp. Dec., Dec. 20, 1909.)

(f) Midshipmen are not entitled to commutation of quarters or to allowances for heat and light.

(g) Warrant officers, pay clerks, pharmacists, and mates are not entitled to heat and light allowances. (Comp. Dec., Nov. 21, 1907.)

(h) Officers attached to vessels in commission compelled to live on shore are entitled to expenses incurred for hire of quarters, heat, and light not to exceed authorized allowance, if approved by the department. (Comp. Dec., Nov. 22, 1911.)

(i) Following the decision of the Supreme Court in the Plummer case (published in Bureau Memoranda No. 134, p. 2031), an acting assistant surgeon is entitled, for his entire service, to pay at the same rates allowed to assistant surgeons in the Regular Navy, less any amounts already received; he is entitled to commutation of quarters when on duty at stations where there were no public quarters possessed by the United States; for periods when occupying quarters prior to the date of the Plummer decision heated by separate plant and for which light was separately measured, he is entitled to reimbursement of the actual amount paid by him for heat and light not in excess of the quantity necessary for his authorized allowance of quarters as prescribed by the regulations; and for periods prior to the Plummer decision when occupying quarters not heated by separate plant and for which light was not separately measured, he should be allowed pay for the full allowance of heat and light. (Comp. Dec., June 10, 1912.)

(j) Where an officer occupies quarters other than public, he is not entitled to greater heat and light allowances than those prescribed for the number of rooms *actually* occupied by him, regardless of the number to which he is entitled to occupy. (Comp. Dec., July 31, 1913, and Aug. 15, 1913.)

If an officer's quarters at his permanent station are actually occupied during his absence with leave by his family or persons dependent upon him for support (and evidence of such fact accompany the voucher), payment of the heat and light allowance for such quarters during such period is authorized; but if said quarters are not so occupied, the officer is entitled to no heat or light allowances for the period of his absence on leave. (Comp. Dec., Aug. 15, 1913.)



(k) Where quarters occupied by an officer consist of a greater number of rooms than his rank entitles him to, payment for heat and light is authorized, provided the amounts consumed do not exceed the respective maximum amounts allowed for the number of rooms to which the rank of said officer entitles him. (Comp. Dec., Sept. 6, 1913.)

(l) In computing the number of rooms for which an officer is entitled to heat and light allowances, only rooms *actually and exclusively* occupied by him as quarters can be counted, and bathroom, storerooms, halls, etc., and rooms used in common with other guests or tenants can not be included. (Comp. Dec., Sept. 6, 1913.)

(m) Where two officers *jointly and exclusively* occupy four rooms as quarters, their heat and light allowances should be computed upon the same basis as if they each *exclusively* occupied two rooms as quarters. Rooms *exclusively* occupied by two or more officers entitled to heat and light allowances are not "rooms used in common with other guests or tenants." (Comp. Dec., Oct. 22, 1913.)

#### PAY, ENLISTED MEN, NAVY.

1. *Increase provided by act of May 13, 1908.*—"The pay of all active and retired enlisted men of the Navy is hereby increased 10 per centum." (Act May 13, 1908.)

2. *Increase of 10 per cent, act May 13, 1908, computation of.*—"The 10 per cent increase of pay provided for enlisted men of the Navy by the act of May 13, 1908, is computed on the base pay plus *permanent additions*, such as extra pay for continuous service, good-conduct medals, etc.; *transient additions*, which require a special detail, such as gun pointers, messmen, etc., do not enter into the computation for this increase." (Comp. Dec., May 27, 1908.)

3. *Pay, not reduced by act May 13, 1908.*—"Nothing herein shall be construed so as to reduce the pay or allowances now authorized by law for any commissioned, warrant, or appointed officer or any enlisted man of the active or retired lists of the Navy, and all laws inconsistent with this provision are hereby repealed." (Act May 13, 1908.)

#### 5. PETTY OFFICERS, ENLISTED MEN, ETC., NAVY.

NOTE.—The rates of pay contained in Table 5, and also the several rates of pay and compensation referred to in the following notes, applicable to this table, represent the base rates in existence prior to the passage of act of May 13, 1908. In all cases wherein the compensation is "permanent pay" as distinguished from "transient" or "temporary" pay, the 10 per cent increase should be applied as explained in paragraph 2 above.

##### CLASSIFICATION.

##### Chief petty officers.

Seamen branch.	Monthly pay. (See note.)	Artificer branch.	Monthly pay. (See note.)	Special branch.	Monthly pay. (See note.)
Chief master-at-arms .....	\$65	Chief machinists' mates...	\$70	Chief yeomen.....	\$60
Chief boatswains' mates...	50	Chief electricians .....	60	Hospital stewards.....	60
Chief gunners' mates.....	50	Chief carpenters' mates....	50	Bandmasters .....	52
Chief turret captains.....	60	Chief water tenders.....	50	Chief commissary stewards.....	70
Chief quartermasters .....	50				

##### Petty officers, first class.

Masters-at-arms, first class..	\$40	Boilermakers.....	\$65	Yeomen, first class.....	\$40
Boatswains' mates, first class.	40	Machinists' mates, first class.	55	First musicians.....	36
Gunners' mates, first class..	40	Coppersmiths.....	55	Commissary stewards.....	60
Turret captains, first class..	50	Shipfitters, first class.....	55	Ships' cooks, first class.....	55
Quartermasters, first class..	40	Electricians, first class.....	50	Bakers, first class.....	45
		Blacksmiths.....	50		
		Plumbers and fitters.....	45		
		Sailmakers' mates.....	40		
		Carpenters' mates, first class.	40		
		Water tenders.....	40		
		Painters, first class.....	40		

## CLASSIFICATION—continued.

*Petty officers, second class.*

Seamen branch.	Monthly pay. (See note.)	Artificer branch.	Monthly pay. (See note.)	Special branch.	Monthly pay. (See note.)
Masters-at-arms, second class.....	\$35	Machinists' mates, second class.....	\$40	Yeomen, second class.....	\$35
Boatswains' mates, second class.....	35	Electricians, second class..	40	Ships' cooks, second class..	40
Gunners' mates, second class.....	35	Shipfitters, second class....	40		
Quartermasters, second class.....	35	Oilers.....	37		
		Carpenters' mates, second class.....	35		
		Printers.....	35		
		Painters, second class.....	35		

*Petty officers, third class.*

Masters-at-arms, third class.....	\$30	Electricians, third class....	\$30	Yeoman, third class.....	\$30
Coxswains.....	30	Carpenters' mates, third class.....	30	Hospital apprentices, first class.....	30
Gunners' mates, third class.....	30	Painters, third class.....	30		
Quartermasters, third class.....	30				

*Seamen, first class.*

Seamen gunners.....	\$26	Firemen, first class.....	\$35	Musicians, first class.....	\$32
Seamen.....	24	Shipwrights.....	25	Ships' cooks, third class...	30
				Bakers, second class.....	35

*Seamen, second class.*

Ordinary seamen.....	\$19	Firemen, second class.....	\$30	Musicians, second class....	\$30
				Buglers.....	30
				Hospital apprentices.....	20
				Ships' cooks, fourth class..	25

*Seamen, third class.*

Apprentice seamen.....	\$16	Coal passers.....	\$22	Landsmen.....	\$16
		Landsmen.....	16		

## MESSMEN BRANCH.

Rates.	Monthly pay.	Rates.	Monthly pay.
Stewards to commanders in chief.....	\$60	Warrant officers' cooks.....	\$30
Cooks to commanders in chief.....	50	Mess attendants:	
Stewards to commandants.....	60	If citizens of the United States—	
Cooks to commandants.....	50	First class.....	30
Cabin stewards.....	50	Second class.....	25
Cabin cooks.....	45	Third class.....	20
Wardroom stewards.....	50	If not citizens of the United States—	
Wardroom cooks.....	45	First class.....	24
Stewage stewards.....	35	Second class.....	20
Stewage cooks.....	30	Third class.....	16
Warrant officers' stewards.....	35		

1. *Petty officers, allowance in lieu of quarters and rations.*—Petty officers of the Navy, performing duty which deprives them of quarters, and their rations or commutation thereof, shall receive \$9 per month in addition to the pay of their rating. (Art. R-4427 (6), N. R., 1913.)

2. *Subsistence, temporary duty ashore.*—Subsistence furnished to enlisted men attached to ships of the Navy, when unavoidably detained on shore, under orders, or absent by authority for one day or more from the ship to which attached, shall be charged to appropriation "Provisions, Navy." During the time of such subsistence their rations shall be stopped on board ship and no credit for commutation therefor shall be given. (Art. R-4427 (7), N. R., 1913.)

(a) When such authorized absence is for less than one day, and ration is not checked on pay roll, cost of subsistence shall be paid on public bill, under appropriation "Pay, Miscellaneous." (Art. R-4427 (7), N. R., 1913. See Comp. Dec., Dec. 9, 1907.)

3. *Seamen gunners' certificate, etc.*—Men who have successfully completed a prescribed course of instruction for seamen gunners or petty officers may be given, by the Bureau of Navigation, a certificate to that effect, which shall entitle them to receive \$2 per month in addition to the pay of the rating in which they are serving; such certificates to continue in force only during the enlistments in which the men were respectively graduated, unless renewed by reenlistment for four years within four months from date of honorable discharge. Men holding certificates as seamen gunners are entitled to the pay prescribed for said rating and are entitled to reenlist at any time as such at the base rate of \$26 per month; but if given any other rating than that of seaman gunner the holder of a seaman gunner's certificate shall not receive additional pay therefor unless in continuous service. (Art. R-4427 (8), N. R., 1913.)

4. *Good-conduct medals.*—Each enlisted man of the Navy shall receive 75 cents per month, in addition to the pay of his rating, for each good-conduct medal, pin, or bar which he may heretofore have been, or shall hereafter be, awarded. The date of the award of a good-conduct medal, pin, or bar shall be the date of the holder's discharge by reason of the expiration of the enlistment for which the medal, pin, or bar is given, the allowance of 75 cents per month to be reckoned from said date of award. (Art. R-4427 (9), N. R., 1913. See Comp. Dec., Sept. 29, 1906.)

(a) A holder of a good-conduct medal for service in the Marine Corps is entitled to be credited with pay for the medal on enlistment in the Navy. (Comp. Dec., Dec. 2, 1913.)

5. *Coxswains of steam launches, etc.*—Coxswains detailed as coxswains of boats propelled by machinery, or as coxswains to commanders in chief, shall receive \$5 per month in addition to their pay. (Art. R-4427 (10), N. R., 1913.)

6. *Service on submarines.*—All enlisted men of the Navy shall receive \$5 per month in addition to their pay while serving on board of submarine vessels of the Navy. Besides the \$5 per month extra pay allowed them for submarine service, enlisted men serving with submarine torpedo boats, and having been reported by their commanding officers to the Navy Department as qualified for submarine torpedo boat work, shall receive \$1 additional pay for each day during any part of which they shall have been submerged in a submarine boat while under way; but such further additional pay shall not exceed \$15 in any one calendar month. To be eligible for recommendation by their commanding officers as "qualified for submarine torpedo boat work," in order to receive the benefits of this paragraph, men must fulfill the requirement prescribed by the Bureau of Navigation. (Art. R-4427 (11), N. R., 1913.)

An enlisted man of the Navy detailed for duty in connection with the fitting out of a submarine and for duty on board that vessel when completed, is not, prior to the acceptance of that vessel by the Government, entitled to the additional pay of \$5 per month provided for such duty. (Comp. Dec., Jan. 26, 1912.)

7. *Seamen in charge of hold.*—Seamen in charge of holds shall receive \$5 per month in addition to their pay. (Art. R-4427 (12), N. R., 1913.)

8. *Jacks-of-the-dust, lamplighters, etc.*—Ordinary seamen detailed as Jacks-of-the-dust, or as lamplighters, shall receive \$5 per month in addition to their pay. (Art. 4427 (13), N. R., 1913.)

(a) An ordinary seaman detailed as Jack-of-the-dust is entitled to the additional compensation while so detailed, even if on leave. (Comp. Dec., Aug. 17, 1905.)

9. *Messmen.*—Enlisted men detailed as crew messmen shall, while so acting, except when assigned as reliefs during the temporary absence of the regular crew messmen, receive extra compensation at the rate of \$5 per month. (Art. 4427 (14) N. R., 1913.)

(a) Mess attendants are not entitled to additional compensation allowed other enlisted men detailed as messmen. (Comp. Dec., Apr. 11, 1908.)

(b) Enlisted men detailed as crew messmen are not entitled to the extra pay provided for such detail while on authorized leave of absence. (Comp. Dec., Apr. 28, 1910.)

10. *Detained after expiration of enlistment.*—Enlisted men afloat detained beyond their regular term of enlistment until the return to the United States of the vessel to



which they belong, under the provisions of section 1422 of the Revised Statutes, shall receive for the time during which they are so detained an addition of one-fourth of their former pay, computed on the total pay which they are entitled to receive; but if an enlisted man be retained in the service after the expiration of his enlistment *at his own request*, he is not entitled to the one-fourth additional pay. In order to sustain a charge for such additional payment, the pay officer must produce, upon the settlement of his account, a certificate from the commanding officer that the persons to whom such additional compensation has been allowed did reenlist as aforesaid or were detained by such commanding officer under the provisions of the said section. (Art. 4427 (15), N. R., 1913.)

(a) An enlisted man returned from the Asiatic station for discharge, whose term of enlistment expired while on board an Army transport en route to the United States, is not entitled to one-fourth additional pay, under section 1422, Revised Statutes, as that statute does not provide for such a status. (Comp. Dec., July 22, 1913.)

11. *Duty in fireroom, seamen and ordinary seamen.*—Seamen and ordinary seamen detailed for duty as firemen or coal passers shall receive in addition to the pay of their ratings extra pay at the rate of 33 cents per day for the time so employed. (Sec. 1570, R. S.; Art. R-4427 (16), N. R., 1913.)

(a) A native seaman or native ordinary seaman of the Insular force who is detailed to perform duty as fireman or coal passer is entitled to extra compensation at the rate of 33 cents per day while so employed. (Comp. Dec., Aug. 13, 1910.)

12. *Signalmen.*—Enlisted men regularly detailed as signalmen shall receive the following extra compensation in addition to the monthly pay of their rating: Signalmen, first class, \$3; signalmen, second class, \$2; signalmen, third class, \$1. (Art. 4427 (17), N. R., 1913.)

13. *Chief petty officers, permanent appointment.*—All chief petty officers of the Navy, including chief water tenders, who shall receive permanent appointments after qualifying therefor, shall be paid at the rate of \$70 a month. The pay of chief water tenders who hold acting appointments is \$50 a month. (Art. R-4427 (5) (18), N. R., 1913.)

(a) An appointment, either permanent or acting, can not be made retroactive to give pay before the appointment is actually made, except by statutory authority. (Comp. Dec., Aug. 8, 1913, and Oct. 30, 1913.)

14. *Gun pointers.*—After October 1, 1903 (Executive Order, July 25, 1903), enlisted men of the Navy, after having qualified as gun pointers, and who are regularly detailed as gun pointers by the commanding officer of the vessel, shall receive monthly, in addition to the pay of their respective ratings, extra pay as follows: Heavy gun pointers (for guns of 8-inch caliber or larger), first class, \$10; second class, \$6. Intermediate gun pointers (for guns from 4-inch to 7-inch, inclusive), first class, \$8; second class, \$4. Secondary gun pointers (for guns from 1-pounder to 3-inch, inclusive), first class, \$4; second class, \$2.

(a) Extra pay shall be allowed a gun pointer during such time only as he remains qualified, and only while he is regularly detailed as a gun pointer at a gun of the class at which he qualified. (Art. R-4427 (19), N. R., 1913, and General Order No. 57, Dec. 9, 1907.)

15. *Gun captains.*—Enlisted men of the Navy regularly detailed by the commanding officer of a vessel as gun captains, except at secondary battery guns, shall receive, in addition to the pay of their respective rating, \$5 per month, which in the case of men holding certificates as gun captains, or of graduation from the gun-captain class, petty officers' school, shall include the \$2 per month to which such certificates entitle them. (General Order No. 137, July 25, 1903; Art. R-4427, par. (20), N. R., 1913.)

16. *Ship's tailor and tailor's helper.*—Any enlisted man of the Navy detailed to perform the duties of "ship's tailor" on board of a vessel having a complement of 600 men or more, exclusive of marines, shall receive \$20 per month in addition to the monthly pay of his rating; on a vessel having a complement of from 300 to 600 men, exclusive of marines, \$15 per month in addition to the monthly pay of his rating; on a vessel having a complement of less than 300 men and not less than 100 men, exclusive of marines, \$10 per month in addition to the monthly pay of his rating. Any enlisted man of the Navy detailed as "tailor's helper" on board of a vessel having a complement of 600 men or more, exclusive of marines, shall receive \$10 per month in addition to the monthly pay of his rating; but the total pay of an enlisted man detailed to perform the duties of "ship's tailor" shall not exceed \$50 per month, and of "tailor's helper" shall not exceed \$40 per month. (General Order No. 186, June 5, 1905; Comp. Dec., Aug. 11, 1908; Art. R-4427 (21), N. R., 1913.)

(a) An enlisted man detailed as "ship's tailor" is entitled to the additional pay as such while on leave or on temporary duty ashore, provided that no one was detailed

to perform the duties of "ship's tailor" during his absence. (Comp. Dec., June 30, 1909, and Mar. 29, 1910.)

17. *Reenlistments subsequent to November 27, 1906.*—To provide adequate compensation for trained men, the regular pay for each rating in the Navy shall be increased \$5 per month during the second period of service, and a further sum of \$3 per month during each and every subsequent period of service; but only enlisted men who are citizens of the United States, and whose second and subsequent periods of service each follow next after service in the Navy that was terminated by reason of expiration of enlistment, shall receive the benefits of the increased pay named herein. In the cases of men who are or were finally discharged from the Navy by reason of expiration of enlistment, the first enlistment on or after November 27, 1906, shall be considered the second period of service which shall carry with it the increased pay provided by this paragraph; except that men discharged on recommendations of boards of medical survey shall, if they reenter the service, be given credit for any previous periods of service in the Navy which were terminated by reason of expiration of enlistment. (Executive Order, Nov. 27, 1906.) (General Order No. 34, Nov. 28, 1906; Art. R-4427 (25), N. R., 1913.)

(a) The risk of making payments to enlisted men of the Navy under General Order No. 34 rests solely upon the pay officer making them. It is incumbent upon a pay officer to satisfy himself as to the sufficiency of the evidence of citizenship presented, and it is his right to refuse to make such payment unless, in his judgment, such evidence is legally sufficient. (Comp. Dec., Dec. 10, 1912.)

(b) The fact that an enlisted man holds a permanent appointment as a petty officer is strong *prima facie* evidence of citizenship, and in the absence of facts brought home to a pay officer before making payment contradicting such presumption of citizenship, he will be protected in making payment. (Comp. Dec., Apr. 26, 1913.)

18. *Chief petty officers detailed as instructors of apprentice seamen.*—Chief petty officers detailed as instructors of apprentice seamen at naval stations who qualify as instructors by examination shall receive hereafter, in addition to their pay, the sum of \$10 per month while so detailed, such pay to be considered extra pay for special duty. Chief petty officers must be citizens of the United States and serving under continuous service in order to be eligible for examination for detail as instructors of apprentice seamen at naval stations. They must also qualify in accordance with the requirements prescribed by the Bureau of Navigation. (General Order No. 34, Nov. 28, 1906; Art. R-4427 (26), N. R., 1913.)

(a) Chief petty officers receiving extra compensation of \$10 per month for duty as instructors of apprentice seamen are entitled to the additional pay for the time while they are on leave or absent undergoing examination for promotion to warrant officers: *Provided*, Their details are unrevoked and details were not made to supply their places while absent. (Comp. Dec., Nov. 12, 1910.)

19. *Apprentice chief petty officers.*—Apprentice seamen detailed as apprentice chief petty officers, apprentice petty officers, first, second, or third class, in connection with the instruction of apprentice seamen at naval stations, shall receive hereafter, in addition to their pay, the sum of \$2.50, \$2, \$1.50, and \$1 each per month, respectively, while so detailed; such pay to be considered extra pay for special duty. The complement of apprentice seamen authorized at each naval station as apprentice petty officers shall be four (one in each rating) for each 75 apprentice seamen under training at the station. (General Order No. 34, Nov. 28, 1906; Art. R-4427 (27), N. R., 1913.)

20. *Hospital Corps.*—"The pay of enlisted men of the Hospital Corps shall be the same as that provided for the corresponding ratings of the seamen branch and other staff corps of the Navy." (Act May 13, 1908.)

21. *Clothing bounty.*—All enlisted men of the Navy shall receive, on first enlistment, outfits amounting in value as follows: Samoans and such men of the messman branch as are not required to possess complete outfits, not to exceed \$20; men of the Insular force, not to exceed \$30; all other enlisted men, not to exceed \$60. Commanding officers shall direct which of the above amounts is to be allowed in each case of first enlistment, the outfit for "all other enlisted men" to be issued in accordance with the provisions of the Uniform Regulations. (Art. R-4427 (29), N. R., 1913.)

Any man who is discharged during the first six months of a first enlistment for any cause other than disability incurred in the line of duty shall have checked against his accounts prior to discharge the cost of such portion of outfit allowed on first enlistment as he may have drawn. (Art. R-4427 (29), N. R., 1913.)

22. *Continuous-service pay.*—Any man who has received an honorable discharge from his last term of enlistment, or who has received a recommendation for reenlistment upon the expiration of his last term of service of not less than three years, who reenlists for a term of four years within four months from the date of his discharge, shall receive an increase of \$1.36 per month to the pay prescribed for the rating in which he serves for each consecutive reenlistment. (Art. R-4427 (30), N. R., 1913.)



23. *Hospital fund.*—Twenty cents per month is deducted from the pay of each enlisted man of the Navy, to be applied to the fund for naval hospitals. (Sec. 4808, R. S.)

24. *Travel allowance on discharge.*—(1) Men enlisted within the continental limits of the United States and discharged by reason of expiration of enlistment or extended enlistment within three months before the expiration thereof as provided in Article R-3601 (1) at a place therein not the place of their enlistment shall be furnished at the time of discharge, in lieu of transportation and subsistence, travel allowance of 4 cents per mile from the place of discharge to the place of enlistment.

(2) Men enlisted outside the continental limits of the United States and discharged within said limits, by reason of expiration, or within three months before the expiration, of enlistment or extended enlistment, shall be furnished at the time of discharge, in lieu of transportation and subsistence, travel allowance of 4 cents per mile from the place of discharge to the port in the United States nearest the place of discharge from which a regular line of steamships carrying passengers departs for the place of enlistment or for the port nearest thereto.

(3) Men enlisted within the continental limits of the United States and discharged outside said limits by reason of expiration, or within three months before the expiration, of enlistment or extended enlistment, shall be furnished at the time of such discharge travel allowance at the rate of 4 cents per mile to the place of enlistment from the port in the United States nearest the place of enlistment at which arrives a regular line of steamships carrying passengers from the place of discharge or from the port nearest thereto.

(6) Men discharged by medical survey, if residents of the United States or of the insular possessions of the United States, shall at the time of their discharge be furnished transportation to their homes, with subsistence and transfers en route, or cash in lieu thereof. (Art. R-3604, N. R., 1913.)

(a) An enlisted man of the Navy who extends his enlistment is not entitled to travel allowance at the expiration of the four-year period for which he originally enlisted. He is entitled to travel allowance on discharge by termination of enlistment, as extended, from place of discharge to place of original enlistment. (Comp. Dec., May 28, 1914.)

25. *Navy mail clerks.*—Enlisted men detailed as Navy mail clerks in accordance with the act of May 27, 1908, receive in addition to the pay of their rating, the following monthly compensation: On vessels having complements of 650 or more and on receiving ships, \$25; on vessels and in flotillas having a complement of more than 249 and less than 650, \$20; on vessels and in flotillas having a complement of more than 124 and less than 250, \$15; on vessels having complements of more than 34 and less than 125 (except station tugs and barges, but including torpedo boats and destroyers acting singly and not attached to regularly organized flotillas), \$5.

(a) The additional pay as Navy mail clerk is not dependent upon the filing of a bond. (Comp. Dec., Mar. 1, 1910.)

(b) Navy mail clerks are entitled to the additional compensation therefor only while in performance of this special duty, and are not entitled to the additional pay if absent from the vessel under treatment in hospital ashore or on leave of absence. (Comp. Dec., Mar. 16, 1909, and Apr. 4, 1910.)

(c) Navy mail clerks are entitled to additional compensation from date of designation by the Postmaster General, provided they enter upon their duties on or prior to such date and take the required oath of office subsequent to designation and prior to separation from the position. (Comp. Dec., Oct. 19, 1909.)

(d) *Assistant Navy mail clerks.*—Enlisted men designated as assistant Navy mail clerks receive \$15 per month in addition to the pay of their rating. (Act June 27, 1908; Gen. Ords., Nos. 74, June 27, 1908, 79, Nov. 18, 1908; Art. 4427 (31-c), N. R., 1913.)

(e) *Mates eligible as mail clerks.*—(For mates as mail clerks, see Note 6, Table 4.)

(f) The appointment of an assistant mail clerk for duty on a flagship is not revoked by reason of the temporary transfer of the flag to another vessel.

An assistant mail clerk is not entitled to the additional pay provided for assistant mail clerks for postal duties performed on board a vessel other than the one for which he was designated. (Comp. Dec., Feb. 8, 1912.)

26. *Messmen branch.*—The classification and pay of mess attendants in the Navy who are citizens of the United States are as follows: Mess attendants, first class, \$30; mess attendants, second class, \$25; mess attendants, third class, \$20. (Art. R-4427 (5), N. R., 1913.)

Stewards and cooks in the messmen branch who are citizens of the United States and who hold or may receive certificates of qualification as stewards or cooks shall receive \$5 per month additional to the pay of their rating while holding such certi-



cate, such additional pay to be of a permanent character as regular pay. (Exec. Ord., Jan. 28, 1908; Art. R-4427 (32-a), N. R., 1913.)

"Certificates of qualification issued by the Bureau of Navigation shall be renewed by the commanding officer at the expiration of each two years for a similar term, provided the continued good performance of duty of the cook or steward so warrants." (Gen. Ord. No. 62, Feb. 7, 1908; and Art. R-4427 (32-b), N. R., 1913.)

27. *Retired pay.*—"The pay of all commissioned, warrant, and appointed officers and enlisted men of the Navy now on the retired list shall be based on the pay, as herein provided for, of commissioned, warrant, and appointed officers and enlisted men of corresponding rank and service on the active list; and all pay herein provided shall remain in force until changed by act of Congress." (Act of May 13, 1908.)

(a) An enlisted man on the retired list is entitled to the full amount of 75 cents a month for each good-conduct medal held, in addition to 75 per cent of the pay of which he was in receipt at the date of retirement. (Comp. Dec., Oct. 27, 1902; Dec. 11, 1902; May 14, 1909.)

28. *Death gratuity.*—Payment of death gratuity to widow, children, or dependent relative of enlisted men of the active list is authorized under the same conditions as in the case of officers. (See par. 4, "General remarks.")

29. *Divers, service as.*—Enlisted men of the Navy, not under instruction or diving for practice, shall when employed in submarine diving, receive extra compensation therefor, to be charged to the bureau for which the service is performed, at the rate of \$1.20 per hour for the actual time so employed under water. (Art. R-4427 (33), N. R., 1913.)

30. *Honorable discharge gratuity.*—That the term of enlistment of all enlisted men of the United States Navy other than those who are enlisted during minority shall be four years.

That the term of enlistment of any enlisted man in the Navy may, by his voluntary written agreement, under such regulations as may be prescribed by the Secretary of the Navy, with the approval of the President, be extended for a period of either one, two, three, or four full years from the date of expiration of the then existing four-year term of enlistment, and subsequent to said date such enlisted men as extend the term of enlistment as authorized in this section shall be entitled to and shall receive the same pay and allowances in all respects as though regularly discharged and reenlisted immediately upon expiration of their term of enlistment, and such extension shall not operate to deprive them upon discharge at the termination thereof of any right, privilege, or benefit to which they would be entitled at the expiration of a four-year term of enlistment.

That section 1573 of the Revised Statutes of the United States as amended by section 16 of an act entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," approved March 3, 1899, be, and the same is hereby, amended to read as follows: "If any enlisted man or apprentice, being honorably discharged, shall reenlist for four years within four months thereafter, he shall, on presenting his honorable discharge or on accounting in a satisfactory manner for its loss, be entitled to a gratuity of four months' pay equal in amount to that which he would have received if he had been employed in actual service: *Provided*, That any enlisted man in the Navy whose term of enlistment has been extended for an aggregate of four years shall, after the expiration of the preceding four-year term of enlistment upon which the extension is made and if otherwise entitled to an honorable discharge, be paid the gratuity above provided: *And provided*, That any man who has received an honorable discharge from his last term of enlistment, or who has received a recommendation for reenlistment upon the expiration of his last term of enlistment, who reenlists for a term of four years within four months from the date of his discharge, shall receive an increase of \$1.36 per month to the pay prescribed for the rating in which he serves for each successive reenlistment: *And provided further*, That an extension of the period of enlistment as hereinbefore authorized, aggregating four years, shall be held and considered as equivalent to continuous service with respect to all rights, privileges, and benefits granted for such service pursuant to law." (Act Aug. 22, 1912.)

(a) The honorable discharge gratuity is computed at the rate of base pay plus permanent additions thereto, but not including transient additions which require a special detail, such as gun pointer, messman, etc. (Comp. Dec., Mar. 27, 1903; June 19, 1906.)

(b) An enlisted man who extends his enlistment for one year in accordance with the provision authorizing the extension of terms of enlistment which appear in the act making appropriations for the naval service for the fiscal year ending June 30, 1913, approved August 22, 1912, is entitled to the continuous-service pay of \$1.36 per month authorized by section 1573, Revised Statutes, but is not entitled to the

payment of the four months' gratuity pay, since the payment of this gratuity is limited to those whose terms of enlistment are extended for an aggregate of *four* years. (Comp. Dec., Oct. 11, 1912.)

(c) The cost of transportation of remains should be included in the sum to be deducted from six months' gratuities for "expenses of interment." (Comp. Dec., Sept. 1, 1911.)

## INSULAR FORCE.

The Secretary of the Navy is authorized to enlist in the insular force, United States Navy, not to exceed 500 Filipinos in the following ratings and at the following rates of pay (Art. R-4429, N. R., 1913):

RATES OF PAY OF INSULAR FORCE, UNITED STATES NAVY, AS PROVIDED IN GENERAL ORDER NO. 40, APR. 8, 1901.

Rates.	Monthly pay.	Rates.	Monthly pay.
Native coxswains.....	\$15.00	Native firemen, second class.....	\$15.00
Native seamen.....	12.00	Native coal passers.....	11.00
Native ordinary seamen.....	10.00	Native stewards.....	15.00
Native machinists, first class.....	28.00	Native cooks.....	13.00
Native machinists, second class.....	20.00	Native mess attendants.....	8.00
Native firemen, first class.....	18.00		

## NURSE CORPS (FEMALE).

"The Nurse Corps (female) of the United States Navy is hereby established, and shall consist of one superintendent, to be appointed by the Secretary of the Navy, who shall be a graduate of a hospital training school having a course of instruction of not less than two years, whose term of office may be terminated at his discretion, and of as many chief nurses, nurses, and reserve nurses as may be needed: *Provided*, That all nurses in the Nurse Corps shall be appointed or removed by the Surgeon General with the approval of the Secretary of the Navy, and that they shall be graduates of hospital training schools having a course of instruction not less than two years. The appointment of superintendent, chief nurses, nurses, and reserve nurses shall be subject to an examination as to their professional, moral, mental, and physical fitness, and that they shall be eligible for duty at naval hospitals and on board of hospital and ambulance ships and for such special duty as may be deemed necessary by the Surgeon General of the Navy. Reserve nurses may be assigned to active duty when the necessities of the service demand, and when on such duty shall receive the pay and allowances of nurses: *Provided*, That they shall receive no compensation except when on active duty. The superintendent, chief nurses, and nurses shall, respectively, receive the same pay, allowances, emoluments, and privileges as are now or may hereafter be provided by or in pursuance of law for the Nurse Corps (female) of the Army." (Act May 13, 1908. See also Art. R-4428, N. R., 1913.)

RATES OF PAY OF NURSE CORPS (FEMALE), UNITED STATES NAVY.

Superintendent.....	per annum..	\$1,800.00
Nurses (female) during first three years' service.....	per month..	50.00
Nurses (female) during second three years' service.....	do.....	55.00
Nurses (female) during third three years' service.....	do.....	60.00
Nurses (female) after nine years' service.....	do.....	65.00

1. *Pay, assigned as chief nurse.*—A nurse assigned to duty as chief nurse is entitled to \$30 per month in addition to her pay as nurse. (Art. R-4428 (3) and Gen. Ord. No. 65, May 4, 1910.)

(a) A chief nurse of the Female Nurse Corps of the Navy assigned to duty at a naval hospital is not entitled to pay as such chief nurse while traveling to her place of duty. (Comp. Dec., May 7, 1910.)

2. *Commutation of rations.*—Nurses who subsist themselves shall be credited with commutation of rations at following rates: If on duty, 40 cents per day; if on leave with pay, 25 cents per day. (See Comp. Dec., Dec. 21, 1912.)

3. *Commutation of quarters.*—Members of the Nurse Corps (female) of the Navy will be allowed \$15 per month in lieu of quarters, when not occupying Government quarters, which amount will be credited on the pay roll upon the certificate of the



senior officer at the hospital or station where members of said Nurse Corps may be serving that application for, and no assignment of, quarters has been made, and that Government quarters are not available. (Art. R-4513 (10), N. R., 1913, and Special Order No. 56, Aug. 5, 1910.)

4. *Hospital fund*.—Nurses shall be checked 20 cents a month for the hospital fund. (Art. R-4428 (5), N. R., 1913.)

5. *Foreign service pay*.—Nurses are entitled to \$10 a month extra pay when serving beyond the limits of the States comprising the Union and the Territories of the United States contiguous thereto (except Cuba, Porto Rico, and Hawaii); said additional pay to commence on date of sailing from the United States under orders to foreign duty. (Comp. Dec., Apr. 12, 1911.)

6. *Leave*.—Nurses are entitled to cumulative leave of absence with pay at the rate of 30 days for each calendar year of service in said corps.

7. *Allowances of superintendent*.—The superintendent shall be entitled to the same allowances, when on duty, as other members of the Nurse Corps.

8. *Longevity*.—Members of the Nurse Corps (female) of the Navy are entitled to credit, from and after approval of the act of March 23, 1910, for prior service in the Nurse Corps (female) of the Army. (Comp. Dec., July 22, 1910.)

(a) Service in the Army as contract nurse before the Female Nurse Corps of the Army was established can not be credited in computing service for the increased pay authorized by act of March 23, 1910. (Comp. Dec., Oct. 31, 1910.)

(b) As members of the Nurse Corps (female) of the Navy are entitled to the same traveling allowances as the members of the Nurse Corps (female) of the Army, the Army Regulations (prescribing classes of expenses and maximum amounts allowed therefor for Army nurses when traveling under orders) must be held to apply to the members of the Nurse Corps (female) of the Navy when traveling under orders. (Comp. Dec., July 9, 1913.)

#### MARINE CORPS PAY TABLES.

(Revised to Jan. 1, 1915.)

PAY OF OFFICERS AND ENLISTED MEN, UNITED STATES MARINE CORPS, ACT OF MAY 11, 1908.

(Excerpt of statement issued by office of the paymaster of the Marine Corps.)

#### PAY OF OFFICERS OF THE UNITED STATES MARINE CORPS.

Grade.	Pay.
Major general commandant.....	\$8,000.00
Colonels.....line and staff..	4,000.00
Lieutenant colonels.....do.....	3,500.00
Majors.....do.....	3,000.00
Captains.....do.....	2,400.00
First lieutenant and leader of band.....	2,000.00
Second lieutenants.....	1,700.00

1. *Pay, assimilated with Army*.—"The officers of the Marine Corps shall be entitled to receive the same pay and allowance, \* \* \* as are or may be provided by or in pursuance of law for officers \* \* \* of like grades in the infantry of the Army." (Sec. 1612, R. S.)

2. *Pay, longevity*.—(a) "There shall be allowed and paid to each commissioned officer below the rank of brigadier general, including chaplains and others having assimilated rank and pay, ten per centum of their current yearly pay for each term of five years' service." (Sec. 1262, R. S.)

(b) "The total amount of such increase for length of service shall in no case exceed forty per centum on the yearly pay of the grade as provided by law." (Sec. 1263, R. S.)

(c) "In no case shall the pay of a colonel exceed five thousand dollars a year, the pay of a lieutenant colonel exceed four thousand five hundred dollars a year, or the pay of a major exceed four thousand dollars a year." (Sec. 1267, R. S., as amended by the act of May 11, 1908.)

(d) Longevity pay of officers is computed from date of acceptance of appointment, and includes all service in the Army, Navy, or Marine Corps.

3. *Pay, on leave*.—(a) "Officers when absent on account of sickness or wounds, or lawfully absent from duty and waiting orders, shall receive full pay; when absent with leave, for other causes, full pay during such absence not exceeding in the aggregate thirty days in one year, and half pay during such absence exceeding thirty days



in one year. When absent without leave, they shall forfeit all pay during such absence, unless the absence is excused as unavoidable." (Sec. 1265, R. S.)

(b) "In the discretion of the Secretary of War, leave of absence without deduction of pay and allowance may be extended to four months if taken only once in four years." (Act July 29, 1876; 19 Stat., 102.)

(c) No officer or enlisted man absent from duty on account of disease resulting from his own intemperate use of drugs or alcoholic liquors shall receive pay for such period of absence. (Act April 27, 1914.)

4. *Pay, additional, for foreign service.*—(a) "Provided, That hereafter the pay proper of all officers serving beyond the limits of the States comprising the Union and the Territories of the United States contiguous thereto shall be increased ten per centum over and above the rates of pay proper as fixed by law for time of peace, and the time of such service shall be counted from the date of departure from said States to the date of return thereto." (Act Mar. 2, 1901; 31 Stat., 903.) (Both dates inclusive; see 13 Comp., 632.)

(b) By the act of June 12, 1906 (34 Stat., 247), officers serving in Porto Rico and Hawaii are excepted from the provisions of the above act. (13 Comp., 33.)

(c) "Increase of pay for service beyond the limits of the States comprising the Union and the Territories of the United States contiguous thereto shall be as now provided by law." (Act May 11, 1908.) The provisions of this act are construed to continue the limitation imposed by the act of June 12, 1906, above as to Porto Rico and Hawaii. (Comp. Dec., June 2, 1908.)

An officer of the Marine Corps serving in Porto Rico since the act of May 11, 1908 (35 Stat. L., 110), is entitled to 10 per cent increase of pay for such service as well as during the outward and return voyages. (Court of Claims of the United States No. 30481 (decided Apr. 1, 1912), *Nelson P. Vulte v. The United States*.)

(d) The 10 per cent increase for foreign service is computed on all forms of pay as distinguished from allowances. (Sup. Ct., Mar. 13, 1905; *Mills dec.*)

(Under the above, foreign-service pay should be computed on longevity pay, pay as aid, and pay for mounts.)

(e) Officers and men of a marine battalion on shore duty, who are not specifically detached from this duty but are embarked on a transport for passage for special temporary expeditionary duty beyond seas, are, while in such status, entitled to foreign-service pay. (See also Comp. Dec., Nov. 7, 1911; p. 1912, Bu. Memo. No. 129.) (Comp. Dec., Mar. 22, 1912.)

(f) "Provided, That hereafter the laws allowing increase of pay to officers and enlisted men for foreign service shall not apply to service in the Canal Zone, Panama, or Hawaii or Porto Rico." (Act of Aug. 24, 1912, 37 Stat., 576.)

(g) When officers and men are assigned to shore duty abroad they become entitled to the additional pay when they start upon that duty. When the orders to *shore duty abroad* are given *before departure from the United States* the pay begins upon departure, but when given abroad the pay begins upon landing. The officers are entitled to traveling expenses (mess bill) from the time of departure to time of arrival at objective point. (Comp. Dec. June 5, 1914.)

5. *Pay for providing mounts.*—(a) "In case any officer below the grade of major, required to be mounted, provides himself with suitable mounts at his own expense, he shall receive an addition to his pay of \$150 per annum if he provides one mount, and \$200 per annum if he provides two mounts." (Act May 11, 1908.)

(b) Officers required by regulations, or orders from proper authority to be mounted may obtain the additional pay for providing such mounts in the following manner: (1) By filing duplicate copies of their orders, bearing the following certificate with the first voucher upon which payment is claimed:

"I certify that the above is a true copy of the orders under which I am now serving, and that, while performing duty thereunder, I am required by paragraph 1295, Army Regulations, 1910 (or other authority), to be mounted; that in pursuance thereof I provided myself with a suitable mount, or mounts, at my own expense on (date.....), and that I am the actual and exclusive owner of the mount, or mounts, in question; also that said mount, or mounts, are kept and used by me in the military service at my regular station."

(2) By placing the following certificate on the reverse of subsequent vouchers upon which mounted pay is claimed:

"I certify that I have continued on mounted duty under my orders of (date.....), copy of which is filed with my pay account for the month of (month.....); that I was suitably mounted at my own expense and that I am the actual and exclusive owner of the mount, or mounts, in question; also that said mount, or mounts, are kept and used by me in the military service at my regular station."

(c) A permanent staff officer of the Marine Corps required to be mounted, and who provides himself with a suitable mount at his own expense, is, while temporary de-

tached from the station where his mount is kept, entitled to mounted pay, so long as his mount is actually and exclusively owned and kept for his use in the military service. (Comp. Dec., Apr. 19, 1912.)

6. *Pay, aviation duty.*—That from and after the passage and approval of this act the pay and allowances that are now or may be hereafter fixed by law for officers of the Navy and Marine Corps shall be increased thirty-five per centum for such officers as are now or may hereafter be detailed by the Secretary of the Navy on aviation duty: *Provided*, That this increase of pay and allowances shall be given to such officers only as are actual fliers of heavier-than-air craft, and while so detailed: *Provided further*, That no more than thirty officers of the Navy and Marine Corps shall be detailed to aviation service: *Provided further*, That no officer above the rank of lieutenant commander in the Navy or major in the Marine Corps shall be detailed for actual flying. (Act of Mar. 4, 1913.)

This increase applies to all items of pay and to all allowances except those furnished in kind. Mileage is an allowance within the meaning of this law. (19 Comp., 649.)

7. *Pay, retired officers.*—(a) "Officers retired from active service shall receive 75 per cent of the pay of the rank upon which they are retired." (R. S., 1274.)

(b) "The commissioned officers of the Marine Corps shall be retired in like cases, in the same manner, and with the same relative conditions, in all respects, as are provided for officers of the Army \* \* \*" (R. S., 1622.)

(c) Officers below the grade of lieutenant colonel assigned to active duty are entitled, while so assigned, to receive the full pay and allowances of their respective grades, but retired officers above the grade of major assigned to active duty receive only the full retired pay of their grade, except that a colonel or lieutenant colonel, assigned to active duty, shall receive the same pay and allowances as a retired major would receive under a similar assignment. (Act of June 12, 1906.)

8. *Death gratuity, officers.*—Payment of death gratuity to widow, children, or dependent relative of an officer of the active list is authorized under the same conditions as officers of the Navy. (See par. 4, "General remarks.")

9. *Hospital fund.*—(a) Twenty cents per month is deducted from the pay of each person of the Navy and Marine Corps, active and retired, to be applied to the naval hospital fund. (R. S., 4808.)

(b) Officers, active or retired, admitted to naval, Army, marine, or other hospitals, where the expenses are paid by the United States, are checked the value of one Navy ration (30 cents) per day to be credited to the naval hospital fund. (R. S., 4812 and arts. R. 4521 and R. 4532, Navy Reg., 1913.)

#### ALLOWANCES—OFFICERS MARINE CORPS.

10. *Mileage and traveling expenses, without troops.*—(b) Officers of all grades, whether active or retired, are allowed mileage at the rate of 8 cents per mile for travel under competent orders on duty without troops in the United States, and to actual and necessary expenses for such travel abroad, or for repeated travel in the United States. (See act of June 10, 1896 (29 Stat., 376), act of Aug. 5, 1882 (22 Stat., 286), and 8 Comp. Dec. 123, as to mileage and travel abroad, and act July 1, 1902, and article 4495 (5) and (6), Navy Reg., 1913, as to repeated travel.)

(b) *Travel with troops.*—For travel on duty with troops, transportation only is allowed officers for all travel in the United States, the home waters thereof, and for travel in the Philippine Archipelago, the Hawaiian Archipelago, and between the United States and Alaska; but for all other sea travel (except when regularly attached to vessels of the Navy for duty) on duty with troops *actual expenses only*, not including any shore expenses at port of embarkation or debarkation. (Army act June 12, 1906; Comp. Dec., Nov. 9, 1906—case of Maj. Myers.)

11. *Commutation of quarters.*—(a) "Where there are public quarters belonging to the United States, officers may be furnished with quarters in kind, in such public quarters, and not elsewhere, by the Quartermaster's Department, assigning to the officers of each grade, respectively, such number of rooms as is stated in the following table:

Second lieutenants.....	2 rooms	Lieutenant colonels.....	6 rooms
First lieutenants.....	3 rooms	Colonels.....	7 rooms
Captains.....	4 rooms	Brigadier generals.....	8 rooms
Majors.....	5 rooms	Major generals.....	9 rooms

"*Provided*, That at places where there are no public quarters commutation therefor may be paid by the Pay Department to the officer entitled to the same at a rate not exceeding \$12 per month per room." (Act of June 18, 1878, 20 Stat., 151, amended



by act Mar. 2, 1907, 34 Stat., 1169.) Where the quarters at any station are inadequate, officers there stationed on duty without troops are entitled to commutation of quarters the same as if there were no public quarters thereat. (2 Comp., Dec. 13, 1893.)

(b) "Commutation of quarters will be paid only to officers on duty without troops." (Act May 4, 1880; 20 Stat., 111.)

(c) The Navy acts of May 13, 1908, and subsequent years contain appropriations for the payment of commutation of quarters to officers of the Marine Corps for service with troops, as follows:

"For commutation of quarters for officers serving with troops where there are no public quarters belonging to the Government, and where there are not sufficient quarters possessed by the United States to accommodate them."

(Commutation of quarters under this provision is payable by the Quartermaster's Department.)

12. *Allowance, heat and light.*—"Hereafter heat and light actually necessary for the authorized allowance of quarters for officers and enlisted men shall be furnished at the expense of the United States under such regulations as the Secretary of War may prescribe." (Army act Mar. 2, 1907.)

(Payment for heat and light allowance is made by the Quartermaster's Department.)

13. *Leader of band, pay and allowances.*—"The leader of the United States Marine Band shall have the pay and allowances of a first lieutenant." (Act Mar. 3, 1899.)

PAY OF NONCOMMISSIONED OFFICERS, MUSICIANS, AND PRIVATES, UNITED STATES MARINE CORPS.

Grade.	First enlistment period.	Second enlistment period.	Third enlistment period.	Fourth enlistment period.	Fifth enlistment period.	Sixth enlistment period.	Seventh enlistment period. <sup>1</sup>
Sergeant major.....	\$45	\$49	\$53	\$57	\$61	\$65	\$69
Quartermaster sergeant.....							
First sergeant.....							
Drum major.....							
Gunnery sergeant.....	30	33	36	39	42	45	48
Sergeant.....							
Corporal.....							
Drummer.....							
Trumpeter.....	15	18	21	22	23	24	25
Private.....							
Second leader of band.....							
Musicians, first class.....							
Musicians, second class.....	75	79	83	87	91	95	99
	60	60	60	60	60	60	60
	50	50	50	50	50	50	50

<sup>1</sup> No increase for continuous service is allowed after the seventh enlistment period. (Army act May 11, 1908.)

*Additional pay per month.*

Mess sergeant.....	\$6.00
Cooks, first class.....	10.00
Cooks, second class.....	8.00
Cooks, third class.....	7.00
Cooks, fourth class.....	5.00
Messmen (ashore and afloat). (See S. O. No. 90, Sept. 3, 1908).....	5.00
Gun captains (afloat only).....	5.00
Gun pointers (afloat only):	
Heavy gun pointers—	
First class.....	10.00
Second class.....	6.00
Intermediate gun pointers—	
First class.....	8.00
Second class.....	4.00
Secondary gun pointers—	
First class.....	4.00
Second class.....	2.00
Signalmen, first class..... (ashore and afloat)...	3.00
Signalmen, second class..... do.....	2.00
Signalmen, third class..... do.....	1.00
Expert riflemen..... do.....	5.00
Sharpshooters..... do.....	3.00
Marksmen..... do.....	2.00
For each conduct medal, pin, or bar.....	.75
Members of Marine Band, for playing at White House and public grounds.....	4.00
Navy mail clerks, same rates as Navy. (See arts. 4412 (11) and 4427 (31), Navy Reg., 1913.)	



## PAY IN GENERAL.

1. *Pay assimilated with Army.*—(a) \* \* \* “The enlisted men of the Marine Corps shall be entitled to receive the same pay and bounty for reenlisting as are or may be provided by or in pursuance of law for \* \* \* enlisted men of like grades in the Infantry of the Army.” (R. S., 1612.)

(b) “No officer or enlisted man absent from duty on account of disease resulting from his own intemperate use of drugs or alcoholic liquors shall receive pay for such period of absence.” (Act of Apr. 27, 1914.)

(c) *Sergeant majors and quartermaster sergeants* are entitled to the pay of regimental sergeant majors and regimental quartermaster sergeants, U. S. Army, respectively. (6 Comp. Dec., 599.)

(d) That the *pay of drum major* shall be the same as that now established, or that may be hereafter established, for first sergeants in the Marine Corps of the same length of service. (Naval appropriation act, approved July 26, 1894.)

(e) *Gunnery sergeants* have the rank and allowances, including continuous service pay, of a first sergeant and pay at the rate of \$45 per month. (Act of Aug. 22, 1912.)

(f) *The pay of members of the United States Marine Band* is fixed by section 24, personnel act, March 3, 1899. By this act the leader of the band is given the pay and allowances of a first lieutenant.

(g) *Bounty for reenlistment.*—“That hereafter any private soldier, musician, or trumpeter honorably discharged at the termination of his first enlistment period who reenlists within three months of the date of said discharge shall, upon such reenlistment, receive an amount equal to three months’ pay at the rate he was receiving at the time of his discharge.” (Act May 11, 1908.) The three months’ pay includes all pay a man was receiving at the time of his discharge. (Comp. Dec., June 8 and 11, 1908.) Drummers in the Marine Corps are also entitled to receive the three months’ pay provided in the act of May 11, 1908. (Comp. Dec., Jan. 28, 1909.)

(h) That sections 1280, 1281, and 1284 of the Revised Statutes be, and are hereby, repealed. \* \* \* (Act May 11, 1908.)

(i) That nothing herein contained shall be construed so as to reduce the pay or allowances now authorized by law for any officer or enlisted man of the Army; and all laws or parts of laws inconsistent with the provisions of this act are hereby repealed. (Act May 11, 1908.)

(j) *Death gratuity.*—Payment of death gratuity to widow, children, or dependent relative of enlisted men of the active list is authorized under the same conditions as in the case of officers and enlisted men of the Navy. (See par. 4, “General remarks.”)

(k) *Travel pay.*—Enlisted men of the Marine Corps discharged for causes other than as punishment for an offense—or for fraudulent enlistment, desertion, by purchase, for own convenience, or while in the hands of the civil authorities—are, if they so elect, entitled to 2 cents per mile from the place of discharge to the place of enlistment, and for sea travel on discharge to transportation and subsistence only, except that travel in the Philippine Archipelago, the Hawaiian Archipelago, the home waters of the United States, and between the United States and Alaska shall not be regarded as sea travel and shall be paid for at the rates established by law for land travel. (Act June 12, 1906, 34 Stat., 247, and Army act Aug. 24, 1912.)

*For travel allowance of enlisted men on discharge.*—Hereafter when an enlisted man is discharged from the service, except by way of punishment for offense, he shall be entitled to transportation in kind and subsistence from the place of his discharge to the place of his enlistment, or to such other place within the continental limits of the United States as he may select, if the distance is no greater than from the place of discharge to place of enlistment, but if the distance be greater, he may be furnished with transportation in kind and subsistence for a distance equal to that from place of discharge to place of enlistment, or, in lieu of such transportation and subsistence, he shall, if he so elects, receive 2 cents a mile, except for sea travel, from the place of his discharge to the place of his enlistment. (Army act, Aug. 24, 1912.)

(l) *Hospital fund.*—Twenty cents per month will continue to be deducted from the above rates, as usual, for the naval hospital fund.

## PAY—CONTINUOUS SERVICE.

2. (a) “Hereafter any soldier honorably discharged at the termination of an enlistment period, who reenlists within three months thereafter, shall be entitled to continuous service pay as herein provided, which shall be in addition to the initial pay provided for in this act and shall be as follows, namely: For those whose initial pay as provided herein is \$36 or more, an increase of \$4 monthly pay for and during the second enlistment, and a further increase of \$4 for and during each subsequent enlistment up to and including the seventh enlistment. For those whose initial pay as

provided for herein is \$18, \$21, \$24, or \$30, an increase of \$3 monthly pay for and during the second enlistment, and a further increase of \$3 for and during each subsequent enlistment up to and including the seventh, after which the pay shall remain as in the seventh enlistment. For those whose initial pay as provided herein is \$15 and \$16, an increase of \$3 monthly pay for and during the second and third enlistments each, and a further increase of \$1 for and during each subsequent enlistment up to and including the seventh, after which the pay shall remain as in the seventh enlistment: *Provided*, That hereafter any soldier honorably discharged at the termination of his first or any succeeding enlistment period who reenlists after the expiration of three months shall be regarded as in his second enlistment; that an enlistment shall not be regarded as complete until the soldier shall have made good any time lost during an enlistment period by unauthorized absences exceeding one day, but any soldier who receives an honorable discharge for the convenience of the Government after having served more than half of his enlistment shall be considered as having served an enlistment period within the meaning of this act; that the present enlistment period of men now in service shall be determined by the number of years' continuous service they have had at the date of the approval of this act, under existing laws, counting three years to an enlistment, and the former service entitling an enlisted man to reenlisted pay under existing laws shall be counted as one enlistment period." (Army act, May 11, 1908.) By the act of August 24, 1912, it is provided "That for all enlistments hereafter accomplished under the provisions of this act four years shall be counted as an enlistment period in computing continuous service pay." For application of this law to the Marine Corps, see Comptroller's Decisions, September 4, 1913, Bureau Memoranda, No. 150, page 2758.

(b) The only method which will place the enlisted men of the Army and Marine Corps on as nearly an equal footing as possible and give effect to section 1612 of the Revised Statutes as far as possible in connection with the requirements of the act of May 11, 1908, above, is to hold that a new enlistment period for men of the Marine Corps begins after a continuous service of three years without regard to discharge and reenlistment, except that the men must remain continuously in the service. (Comp. Dec., Aug. 8, 1908.)

(c) In computing continuous service of marines for purpose of pay, only service in the Army and Marine Corps is counted. In counting Marine Corps service it is prescribed under the act of May 11, 1908, and the decision of the comptroller of August 8, 1908, above mentioned, to count three years to an enlistment for all continuous service (except the time a soldier is held in service beyond the expiration of his enlistment subsequent to the act of May 11, 1908, and as otherwise provided in said act—See Comp. Dec., Oct., 9, 1909, case of Sergeant West, and Oct. 28, 1909, case of Private Daly), whether prior or subsequent to May 11, 1908, and in addition thereto to count one enlistment period for former service entitling the soldier to reenlistment (class 3) pay. Army service prior to May 11, 1908, is also counted on the same basis; but in counting Army service subsequent to May 11, 1908, for a man who has enlisted in the Marine Corps from the Army, such Army service should be counted on the basis of a full enlistment period, except as otherwise provided, with an honorable discharge and reenlistment within the proper time, i. e., an Army soldier is entitled upon enlisting in the Marine Corps to receive the same pay as he would have received if he had reenlisted in the Army. (Comp. Dec., Aug. 8, 1908; Army Pay Manual, 582, note 2, and Comp. Dec., June 28, 1909, case Bobolsky.)

(d) The provisions of the act of May 11, 1908, above mentioned, apply to soldiers reenlisting after May 11, 1908, who were honorably discharged at the termination of an enlistment period prior to the passage of said act, as well as to soldiers so reenlisting who were honorably discharged after the passage of said act. (Comp. Dec, June 11, 1908.)

(e) A soldier who reenters the service on or after May 12, 1908, after having remained out more than three months, is entitled to the pay of the second enlistment; but a soldier who completed one or more enlistments that did not entitle him to reenlistment pay, and reentered the service on or before May 11, 1908, having remained out over three months, is not entitled to credit for his former service.

(f) An enlistment shall not be regarded as complete until the soldier shall have made good any time in excess of one day lost by unauthorized absences, or on account of disease resulting from his own intemperate use of drugs or alcoholic liquors or other misconduct, or while in confinement awaiting trial or disposition of his case if the trial results in conviction, or while in confinement under sentence. (Act Apr. 27, 1914.)

(g) The second leader of the Marine Band is entitled to the continuous service pay of a regimental sergeant major. The first and second class musicians of the band are not allowed continuous service pay. (See sec. 24, personnel act, Mar. 3, 1899, 5 Comp., 745, and Comp. Dec., June 30, 1908.)



(h) The continuous service of retired enlisted men is counted in the same manner as is provided for counting the past services of men on the active list. (Comp. Dec., June 26, 1908.)

(i) Service in the Army of less than one-half of the regular enlistment period and terminated by the purchase of discharge should not be included in determining, as far as pay is concerned, the date upon which a subsequent enlistment period is to begin. (Comp. Dec., Mar. 20, 1912.)

#### FOREIGN SERVICE PAY.

3. (a) "The pay proper of all enlisted men serving beyond the limits of the States comprising the Union and the Territories of the United States contiguous thereto shall be increased twenty per centum over and above the rates of pay proper as fixed by law for time of peace, and the time of such service shall be counted from the date of departure from the said States to the date of return thereto" (both dates inclusive). (Act Mar. 2, 1901, 31 Stat., 903.)

By the act of June 12, 1906 (34 Stat., 247), enlisted men serving in Porto Rico and Hawaii are excepted from the foregoing act of March 2, 1901. (13 Comp. Dec., 33, July 21, 1906.)

"That increase of pay for service beyond the limits of the States comprising the Union and the Territories of the United States contiguous thereto shall be as now provided by law." (Act May 11, 1908.) The effect of this provision is to continue the limitation imposed by the act of June 12, 1906, as to pay for service in Porto Rico and Hawaii. (Comp. Dec., June 2, 1908.) "Provided, That hereafter the laws allowing increase of pay to officers and enlisted men for foreign service shall not apply to service in the Canal Zone, Panama, or Hawaii or Porto Rico." (Act Aug. 24, 1912; 37 Stat., 576.)

(b) "The term 'pay proper' means compensation which may properly be designated as 'pay' as distinguished from allowances." (Sup. Ct., Mar. 13, 1905.)

(c) Enlisted men transferred from ships to foreign shore stations for the purpose of transfer to the United States or for treatment in hospital, if subsequently returned to ship, are not entitled to twenty per centum increase pay during the time ashore or while en route to the United States.

#### ADDITIONAL PAY FOR SPECIAL SERVICE.

4. (a) *Mess sergeant.*—The Army act of May 11, 1908, provides that mess sergeants shall receive \$6 per month in addition to their pay. (Comp. Dec., June 30, 1908.) (See Marine Corps Orders, No. 6, Series 1913, dated Aug. 20, 1913.)

(b) *Cooks.*—Privates regularly detailed as cooks shall receive, in addition to the pay otherwise allowed by law, the following: First-class cooks, \$10 per month; second-class cooks, \$8 per month; third-class cooks, \$7 per month; and fourth-class cooks, \$5 per month. (Act Mar. 2, 1907.) For particulars as to number of cooks allowed and the manner of detail for such duty, see Marine Corps Orders, No. 6, Series 1913, dated August 20, 1913.

(c) *Gun pointers, messmen, gun captains, mail clerks, signalmen, and holders of good-conduct medals, pins, or bars.*—All enlisted men of the United States Marine Corps regularly detailed as gun pointers, Navy mail clerks, gun captains, messmen, or signalmen, or holding good-conduct medals, pins, or bars, shall receive the same extra compensation, in addition to their monthly pay, as is now or may hereafter be allowed enlisted men of the Navy. Enlisted men of the Marine Corps regularly detailed as messmen, whether for duty afloat or ashore, may be paid additional compensation as provided for enlisted men of the Navy. (R., 4427.) Under the act of May 13, 1908, enlisted men of the Marine Corps are entitled to 10 per cent increase of pay upon each good-conduct medal, pin, or bar held by them. (Comp. Dec., Jan. 19, 1910.)

For particulars as to allowance and detail of mess sergeants, cooks, and messmen, see Marine Corps Orders, No. 6, Series 1913, dated August 20, 1913.

(d) *Expert riflemen, sharpshooters, and marksmen.*—"Enlisted men now qualified or hereafter qualifying as expert riflemen shall receive, in addition to their pay, \$5 per month; those qualifying as sharpshooters, \$3 per month, and those qualifying as marksmen, \$2 per month." (Army act, May 11, 1908.)

(e) *Marine Band for playing at White House and public grounds.*—Members of the Marine Band are allowed \$4 per month in addition to the rates of pay as given above for playing at the White House and public grounds. (Act of Aug. 18, 1856.)

(f) An enlisted man of the Marine Corps detained beyond the expiration of his enlistment to await trial by court-martial and who is acquitted is entitled only to his regular pay while so held. (Comp. Dec., Apr. 9, 1912.)



Table 74.—CORRESPONDING GRADES IN ARMY, NAVY, AND MARINE CORPS.

Navy.	Army and Marine Corps.	Navy.	Army and Marine Corps.
Admiral.....	General.....	Lieutenant commander.....	Major.
Rear admiral, first nine.....	Major general.....	Lieutenant.....	Captain.
Rear admiral, second nine.....	Brigadier general.....	Lieutenant, junior grade.....	First lieutenant.
Captain.....	Colonel.....	Ensign.....	Second lieutenant.
Commander.....	Lieutenant colonel.....		

Relative rank is the same except (art. 24, United States Navy Regulations) "rear admiral with major general; commodore with brigadier general."

Table 75.—ACTS RELATING TO RETIREMENT.

## RETIREMENT, NAVAL OFFICERS.

Admiral, not except upon own application. (Act Mar. 3, 1899, 30 Stats., 1045.)  
 Chiefs of bureaus, certain, for age or length of service, relative rank of commodore (junior rear admiral). (Sec. 1473, R. S., and act May 13, 1908, 35 Stats., 127.) (Also act June 24, 1910, 36 Stats., 607.)  
 Commission for advanced rank when received by operation of law. (Act Mar. 4, 1911, 36 Stats., 1354.)  
 Credit of time for regular, volunteer, and other service. (Act Mar. 3, 1883, 22 Stats., 473.)  
 Dental Corps, same as Medical Corps. (Act Aug. 22, 1912.)  
 Misconduct, not ground for, but on report of board shall be discharged. (Sec. 1436, R. S., and act Aug. 5, 1882, 22 Stats., 286.)  
 No promotion on retired list. (Act Aug. 5, 1882, 22 Stats., 286.)  
 On active duty receive active pay. (Act June 7, 1900, 31 Stats., 703.) (Act Aug. 22, 1912.)  
 Paymasters' clerks, same rights of retirement as warrant officers. (Act June 24, 1910, 36 Stats., 606.)  
 Rank and pay next higher grade for Civil War service. (Act Mar. 3, 1899, 30 Stats., 1007; act June 29, 1906, 34 Stats., 544; and act Mar. 3, 1909, 35 Stats., 753.) (Sec. 11, personnel act.)  
 Rank and pay next higher grade for purpose of creating vacancies. (Act Mar. 3, 1899, 30 Stats., 1006, secs. 8 and 9.)  
 Rank of next higher grade because of age or length of service for certain staff corps. (Sec. 1481, R. S.)  
 Rank to which entitled by seniority when failing physical examination for promotion. (Act Mar. 4, 1911.)  
 Rank on retirement. (Sec. 1457, R. S., and (staff officers) secs. 1481 and 1482.)  
 Receiving vote of thanks, not except for cause until 55 years in service. (Sec. 1446, R. S.)  
 Rejected from promotion. (Sec. 1447, R. S.) (Act Mar. 4, 1911.)  
 Special classes, on account of physical or mental disability. (Sec. 1445, R. S., and act Mar. 3, 1899, 30 Stats., 1006, secs. 8 and 9.)  
 Voluntary, after 30 years' service. (Act May 13, 1908, 35 Stats., 127.)  
 Voluntary and involuntary, to create vacancies. (Act Mar. 3, 1899, 30 Stats., 1006, secs. 8 and 9.) (Act Aug. 22, 1912.)  
 When found by board incapacitated. (Secs. 1453 and 1454, R. S.)  
 When 62 years of age, compulsory. (Sec. 1444, R. S.) Exceptions. (Secs. 1445 and 1446, R. S.)  
 Wholly retired receive one year's pay. (Sec. 1454, R. S.)

## RETIREMENT, ENLISTED MEN OF NAVY.

After 30 years' service with three-fourths pay of rating. (Sec. 17, personnel act.  
Service may be in Navy, Army, or Marine Corps. (Act Mar. 2, 1907, 34 Stats., 1217.)

## RETIREMENT, MARINE CORPS.

Under Army laws. (Secs. 1622 and 1623, R. S.)

Under Navy laws. (Acts Apr. 27, 1904, 33 Stats., 349, and June 29, 1906, 34 Stats., 554.)

## RETIREMENT, ARMY OFFICERS.

Active duty above grade of major, full retired pay. (Acts Mar. 2, 1905, 33 Stats., 831, and June 12, 1906, 34 Stats., 245.)

Active duty in recruiting, receive full pay and allowances. (Act Apr. 23, 1904, 33 Stats., 264; act Mar. 2, 1905, 33 Stats., 831; and act June 12, 1906, 34 Stats., 245.)

Active duty in time of war, receive full pay and allowances. (Act Mar. 2, 1899, 30 Stats., 979.)

All officers receive 75 per cent of pay of rank upon which retired. (Sec. 1274, R. S.)  
Chiefs of staff and departments. (Act. Feb. 2, 1901, 31 Stats., 755.)

Commission for advanced rank when received by operation of law. (Act Mar. 4, 1911, 36 Stats., 1354.)

Detailed at educational institutions. (Acts Nov. 3, 1893, 28 Stats., 7, and Mar. 3, 1909, 35 Stats., 738.)

General of Army, without reduction in current pay or allowances. (Act June 30, 1882, 22 Stats., 118.)

No increase of pay on retired list. (Act Mar. 2, 1903, 32 Stats., 932.)

Physical disability. (Secs. 1251 and 1252, R. S.)

Rank and pay next higher grade for Civil War service. (Acts Apr. 23, 1904, 33 Stats., 264, and Mar. 2, 1907, 34 Stats., 1163.)

Rank next higher grade, disability incident to service. (Act Oct. 1, 1890, 26 Stats., 562.)

Rank on retirement. (Sec. 1254, R. S.)

Service which shall be credited for retirement. (Act June 18, 1878, 20 Stats., 150.)

Special classes (above rank of colonel). (Sec. 1244, R. S., and act June 12, 1906, 34 Stats., 245.)

Voluntary after 30 years' service. (Sec. 1243, R. S., and act June 30, 1882, 22 Stats., 118.)

When served 45 years as commissioned officer, discretion of President. (Sec. 1244, R. S.)

When 62 years of age may be. (Sec. 1244, R. S.)

When 64 years of age shall be. (Act June 30, 1882, 22 Stats., 118.)

Wholly retired receive one years' pay and allowances of highest rank held at time of retirement. (Sec. 1275, R. S.)

### Table 76.—OFFICERS WHO HAVE BEEN APPOINTED ADMIRALS AND VICE ADMIRALS.

ACTS CREATING GRADES AND OFFICERS WHO HAVE BEEN APPOINTED TO THEM.

*David G. Farragut*.—Appointed Vice Admiral December 21, 1864, under act same date. (13 Stats., p. 420.)

Appointed Admiral July 25, 1866, under act same date. (14 Stats., p. 222.)

Died while on active list, August 14, 1870.

*David D. Porter*.—Appointed Vice Admiral July 25, 1866, under act same date. (14 Stats., p. 222.)

Appointed Admiral August 15, 1870, to succeed Farragut, who died August 14, 1870.

Died February 13, 1891, when on active list.

*Stephen C. Rowan*.—Appointed Vice Admiral August 15, 1870, to succeed Porter.

Died March 31, 1890, when on active list.

[Act of January 24, 1873, (17 Stats., p. 418), provides that vacancies occurring in the grades of Admiral and Vice Admiral in the Navy of the United States shall not be filled by promotion or in any other manner whatever, and that when the offices of said grades shall become vacant the grade itself shall cease to exist.]

*George Dewey*.—Appointed Admiral March 2, 1899, under act same date, "who shall not be placed upon the retired list except upon his own application, and whenever such office shall be vacated by death or otherwise the office shall cease to exist."

Table 77.—COMPARATIVE SEA STRENGTH.

In order to answer the frequent inquiries of societies and persons throughout the country interested in the maintenance of the Navy and its relative strength and importance in comparison with foreign navies, the following information has been compiled:

## I.—VESSELS BUILT.

[Foreign nations up to July 1, 1914, only.]

	Battle-ships, dread-naught type. <sup>1</sup>	Battle-ships. <sup>2</sup>	Battle cruis-ers. <sup>3</sup>	Ar-mored cruis-ers.	Cruis-ers. <sup>4</sup>	De-stroy-ers.	Tor-pedo boats.	Subma-rines.	Coast defense vessels. <sup>5</sup>
England.....	20	40	69	34	674	6167	49	675	0
Germany.....	13	20	4	9	41	130	0	27	2
United States (to July 1, 1915).....	8	22	0	10	15	57	6	36	4
France.....	3	18	0	20	9	84	135	64	1
Japan.....	2	13	2	13	13	50	27	13	2
Russia.....	0	7	0	6	9	91	14	30	2
Italy.....	3	8	0	9	6	32	68	19	0
Austria-Hungary.....	3	6	0	2	5	18	39	6	6

<sup>1</sup> Battleships having a main battery of all big guns (11 inches or more in caliber).

<sup>2</sup> Battleships of (about) 10,000 tons or more displacement, and having more than 1 caliber in the main battery.

<sup>3</sup> Armored cruisers having guns of largest caliber in main battery and capable of taking their place in line of battle with the battleships. They have an increase of speed at the expense of carrying fewer guns in main battery, and a decrease in armor protection.

<sup>4</sup> Includes all unarmored cruising vessels above 1,500 tons displacement.

<sup>5</sup> Includes smaller battleships and monitors. No more vessels of this class are being proposed or built by the great powers.

<sup>6</sup> Includes vessels of colonies.

## II.—VESSELS BUILDING OR AUTHORIZED.

[Foreign nations up to July 1, 1914, only.]

	Battle-ships, dread-naught type.	Battle cruisers.	Cruisers.	Destroy-ers.	Torpedo boats.	Subma-rines.
England <sup>1</sup> .....	16	1	<sup>2</sup> 17	<sup>2</sup> 21	0	22
Germany <sup>2</sup> .....	7	4	5	24	0	18
United States.....	9	0	0	17	0	40
France.....	9	0	0	3	0	22
Japan <sup>3</sup> .....	4	2	0	2	0	2
Russia <sup>4</sup> .....	7	4	8	44	0	19
Italy.....	7	0	2	15	2	8
Austria-Hungary.....	4	0	5	1	24	6

<sup>1</sup> England has no continuing shipbuilding policy, but usually lays down each year 4 or 5 armored ships with a proportional number of smaller vessels.

<sup>2</sup> Includes vessels of colonies.

<sup>3</sup> Germany has a continuing shipbuilding program, governed by a fleet law authorized by the Reichstag. For 1913 there are authorized 1 battleship, 1 battle cruiser, 2 cruisers, 12 destroyers. Eventual strength to consist of 41 battleships, 20 armored cruisers, 40 cruisers, 144 destroyers, 72 submarines.

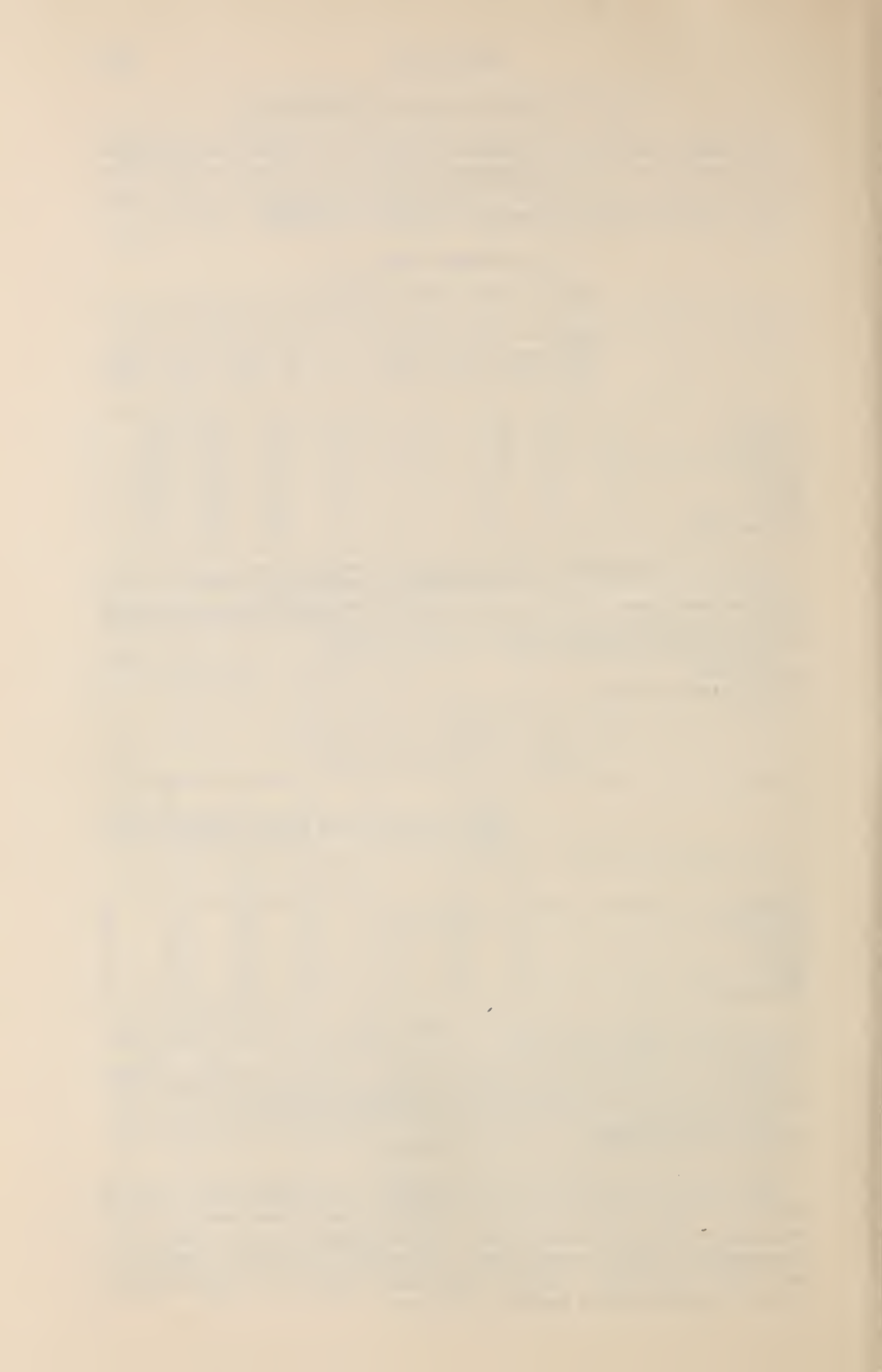
<sup>4</sup> \$78,837,569 authorized to be expended from 1911 to 1917 for the construction of war vessels.

<sup>5</sup> Russian shipbuilding program provides for the completion by 1918 of 4 battle cruisers, 8 small cruisers, 36 destroyers, and 18 submarines.

NOTE.—Vessels undergoing trials are considered as completed.

The following vessels are *not* included in the tables: Ships over 20 years old from date of launch, unless they have been reconstructed and rearmed within five years; torpedo craft over 15 years old; transports, colliers, repair ships, converted merchant vessels, or any other auxiliaries; vessels of less than 1,500 tons, except torpedo craft; torpedo craft of less than 50 tons.





# APPENDIX.

Table 78.—SHIPS ON THE NAVY LIST JUNE 30, 1915.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1915.
A-2.....	Jan. 12, 1903	Submarine.....	\$173,657.80	\$73,396.11
A-3.....	May 28, 1903	.....do.....	173,364.35	74,825.36
A-4.....	Jan. 17, 1903	.....do.....	173,671.04	76,540.68
A-5.....	May 28, 1903	.....do.....	173,288.41	71,597.09
A-6.....	Sept. 19, 1903	.....do.....	171,843.44	82,957.13
A-7.....	.....do.....	.....do.....	171,431.34	71,137.84
Abarenda.....	May 20, 1898	Fuel ship.....	175,000.00	391,286.33
Accomac.....	.....1898	Tug.....	40,000.00	68,365.81
Active.....	.....1898	.....do.....	75,000.00	81,150.57
Adams.....	.....1876	Unserviceable.....	55,185.00	314,118.46
Aileen.....	May 14, 1898	Yacht.....	55,000.00	30,188.38
Ajax.....	May 21, 1898	Fuel ship.....	267,657.50	545,252.52
Alabama.....	Nov. 16, 1900	Battle ship.....	4,077,010.09	1,328,261.43
Albany.....	May 29, 1900	Cruiser.....	1,207,644.13	695,612.24
Alert.....	No record	Tender.....	118,000.00	416,577.51
Alice.....	.....1898	Tug.....	19,000.00	72,297.12
Ammen.....	May 23, 1911	Destroyer.....	655,460.56	64,459.75
Amphitrite.....	Apr. 23, 1895	Monitor.....	1,951,868.17	427,960.52
Annapolis.....	July 20, 1897	Gunboat.....	278,131.52	365,577.91
Apache.....	.....1898	Tug.....	54,510.00	112,268.04
Arapaho.....	Dec. 2, 1914	.....do.....	125,666.67	1,866.38
Arethusa.....	.....1898	Fuel ship.....	218,992.50	476,477.79
Arizona.....	.....	Battleship.....	6,651,838.34	.....
Arkansas.....	Sept. 17, 1912	.....do.....	8,376,917.92	194,093.02
Aylwin.....	Jan. 17, 1914	Destroyer.....	780,237.54	23,838.03
B-1.....	Oct. 18, 1907	Submarine.....	200,957.48	47,506.82
B-2.....	.....do.....	.....do.....	187,982.32	30,280.92
B-3.....	Dec. 3, 1907	.....do.....	185,077.84	55,020.63
Bagley.....	Oct. 18, 1901	Torpedo boat.....	166,065.40	68,482.24
Bailey.....	June 10, 1901	.....do.....	234,299.09	175,931.30
Bainbridge.....	Nov. 24, 1902	Destroyer.....	303,900.63	240,712.54
Balch.....	Mar. 26, 1914	.....do.....	778,124.55	5,592.73
Baltimore.....	Jan. 7, 1890	Special type.....	1,554,483.94	1,811,453.85
Barney.....	Oct. 21, 1901	Torpedo boat.....	165,752.26	90,162.52
Barry.....	Nov. 24, 1902	Destroyer.....	303,389.15	245,989.25
Beale.....	Aug. 30, 1912	.....do.....	669,396.42	33,642.05
Benham.....	Jan. 20, 1914	.....do.....	774,521.94	11,659.16
Biddle.....	Oct. 26, 1901	Torpedo boat.....	165,804.01	80,784.88
Birmingham.....	Apr. 11, 1908	Cruiser.....	1,629,956.43	334,586.47
Blakely.....	Dec. 27, 1904	Torpedo boat.....	182,105.02	63,058.73
Boston.....	May 2, 1887	Cruiser.....	700,000.00	1,007,128.68
Boxer.....	.....1905	Unserviceable.....	94,703.14	472.23
Brooklyn.....	Dec. 1, 1896	Cruiser.....	3,944,820.73	1,327,713.08
Brutus.....	May 27, 1898	Fuel ship.....	215,000.00	337,448.97
Buffalo.....	July 18, 1898	Transport.....	550,000.00	848,188.40
Burrows.....	Feb. 21, 1911	Destroyer.....	679,718.76	52,626.72
Bushnell.....	Jan. 25, 1912	Tender.....	838,355.35	75.51
C-1.....	June 30, 1908	Submarine.....	253,119.81	53,536.45
C-2.....	Nov. 23, 1909	.....do.....	299,833.16	37,046.48
C-3.....	.....do.....	.....do.....	300,331.08	44,312.79
C-4.....	.....do.....	.....do.....	299,078.27	53,366.52
C-5.....	Feb. 2, 1910	.....do.....	344,142.36	33,448.59
Caesar.....	May 13, 1898	Fuel ship.....	175,194.00	344,920.07
California.....	.....	Battleship.....	405,239.20	.....
Callao.....	July 31, 1898	Gunboat.....	18,000.00	30,940.51
Cassin.....	Aug. 9, 1913	Destroyer.....	781,387.87	18,813.19
Castine.....	Oct. 22, 1894	Gunboat.....	510,878.13	546,945.91
Celtic.....	May 25, 1898	Supply ship.....	340,900.00	567,426.63
Charleston.....	Oct. 17, 1905	Cruiser.....	3,167,234.16	490,429.02
Chattanooga.....	Oct. 11, 1904	.....do.....	1,378,445.75	320,030.49
Chauncey.....	Nov. 20, 1902	Destroyer.....	303,287.48	244,626.36
Chester.....	Apr. 25, 1908	Cruiser.....	1,766,293.52	327,860.67
Cheyenne.....	Dec. 8, 1902	Monitor.....	1,372,093.16	292,941.89
Chicago.....	Apr. 17, 1889	Cruiser.....	1,150,000.00	1,935,455.51
Choctaw.....	.....1898	Tug.....	82,500.00	100,151.89
Cincinnati.....	June 16, 1894	Cruiser.....	2,023,326.91	1,285,065.42
Cleveland.....	Nov. 2, 1903	.....do.....	1,098,320.33	347,981.46
Colorado.....	Jan. 19, 1905	Cruiser (armored).....	4,831,941.38	1,223,523.31
Columbia.....	Apr. 23, 1894	Cruiser.....	3,461,960.26	731,690.29

Table 78.—SHIPS ON THE NAVY LIST JUNE 30, 1915—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1915.
Concord.....	Feb. 14, 1891	Gunboat.....	\$566,356.21	\$565,041.98
Connecticut.....	Sept. 29, 1906	Battleship.....	6,394,757.77	1,112,327.96
Constitution.....	1797.....	Unserviceable.....	13,320.00	132,678.21
Constellation.....	1797.....	do.....	18,785.00	191,538.16
Conyngham.....	1914.....	Destroyer.....	617,042.12	.....
Culgoa.....	Dec. 3, 1898	Supply ship.....	247,704.85	704,758.95
Cumberland.....	1904.....	Unserviceable.....	427,463.37	33,077.13
Cummings.....	Sept. 19, 1913	Destroyer.....	778,086.53	19,262.49
Cushing.....	.....	do.....	769,375.53	76.67
Cuyama.....	.....	do.....	.....	.....
Cyclops.....	Nov. 7, 1910	Fuel ship.....	871,518.35	138,525.54
D-1.....	Nov. 23, 1909	Submarine.....	377,234.25	65,560.48
D-2.....	do.....	do.....	376,100.98	65,680.32
D-3.....	Sept. 8, 1910	do.....	380,318.81	54,644.32
Dalgren.....	June 16, 1900	Torpedo boat.....	200,771.07	78,750.86
Dale.....	Nov. 24, 1902	Destroyer.....	278,990.35	229,718.55
Decatur.....	May 19, 1902	do.....	276,038.01	314,666.84
Delaware.....	Apr. 4, 1910	Battleship.....	6,830,795.88	536,181.68
De Long.....	Nov. 27, 1902	Torpedo boat.....	174,810.88	81,452.16
Denver.....	May 17, 1904	Cruiser.....	1,136,146.06	406,605.85
Des Moines.....	Mar. 5, 1904	do.....	1,156,256.68	326,472.23
Dixie.....	Apr. 19, 1898	Tender.....	575,000.00	1,087,962.34
Dolphin.....	Dec. 8, 1885	Gunboat.....	350,000.00	660,704.36
Don Juan De Austria.....	Apr. 11, 1900	do.....	187,000.00	337,398.95
Dorothea.....	June 1, 1898	Yacht.....	187,500.00	88,581.92
Downes.....	.....	Destroyer.....	721,512.15	586.45
Drayton.....	Oct. 29, 1910	do.....	643,864.54	54,843.54
Dubuque.....	June 3, 1905	Gunboat.....	334,974.23	129,396.45
Duncan.....	Aug. 30, 1913	Destroyer.....	785,509.43	2,260.15
Du Pont.....	Sept. 23, 1897	Torpedo boat.....	165,489.43	118,981.17
E-1.....	Feb. 14, 1912	Submarine.....	387,788.57	36,175.87
E-2.....	do.....	do.....	390,930.12	33,455.74
Eagle.....	Mar. 26, 1898	Yacht.....	110,000.00	212,275.67
Elcano.....	Nov. 20, 1902	Gunboat.....	29,750.00	149,638.20
Elfrida.....	June 30, 1898	Yacht.....	50,000.00	35,254.49
Ericsson.....	.....	Destroyer.....	783,276.46	.....
Essex.....	1876.....	Unserviceable.....	117,800.00	247,937.65
F-1.....	June 19, 1912	Submarine.....	468,770.48	28,041.67
F-2.....	June 25, 1912	do.....	470,519.44	24,281.69
F-3.....	Aug. 5, 1912	do.....	469,588.17	12,844.71
F-4.....	May 3, 1913	do.....	469,284.21	48,206.64
Fanning.....	June 21, 1912	Destroyer.....	642,387.76	38,437.34
Farragut.....	Mar. 22, 1899	Torpedo boat.....	246,902.23	139,481.14
Florida.....	July 15, 1911	Battleship.....	8,983,755.46	271,085.09
Flusser.....	Oct. 28, 1909	Destroyer.....	639,962.56	140,027.13
Foote.....	Aug. 7, 1897	Torpedo boat.....	119,216.74	70,188.30
Fortune.....	1864.....	Tug.....	146,600.00	211,949.62
Fox.....	July 8, 1899	Torpedo boat.....	100,285.93	57,117.24
Franklin.....	1865.....	Unserviceable.....	83,100.00	101,675.15
Fulton.....	Dec. 7, 1914	Tender.....	497,600.49	2,289.74
G-1.....	Oct. 28, 1912	Submarine.....	470,629.29	84,632.10
G-2.....	do.....	do.....	464,959.43	9,683.27
G-3.....	do.....	do.....	505,349.31	170.65
G-4.....	Jan. 22, 1914	do.....	387,807.55	1,719.29
Galveston.....	Feb. 15, 1905	Cruiser.....	1,426,850.73	226,549.79
General Alava, Quiros, and Vilalobos.....	.....	.....	99,760.00	.....
General Alava.....	Mar. 9, 1900	Transport.....	.....	140,172.57
Georgia.....	July 24, 1906	Battleship.....	5,541,279.58	1,016,069.50
Glacier.....	July 5, 1898	Supply ship.....	340,550.00	660,664.73
Gloucester.....	May 20, 1899	Yacht.....	225,000.00	188,363.08
Goldsborough.....	Apr. 9, 1908	Torpedo boat.....	266,208.69	63,947.89
Gopher.....	1871.....	Unserviceable.....	41,060.00	141,643.41
Granite State.....	1818.....	do.....	61,600.00	14,696.51
H-1.....	Dec. 1, 1913	Submarine.....	518,462.92	7,925.39
H-2.....	do.....	do.....	518,608.88	13,033.43
H-3.....	Jan. 6, 1914	do.....	518,966.67	7,801.40
Hancock.....	Nov. 20, 1902	Transport.....	600,000.00	556,687.29
Hannibal.....	June 7, 1898	Fuel ship.....	147,941.60	251,216.85
Hartford.....	1858.....	Unserviceable.....	256,964.05	859,479.05
Hawk.....	Apr. 5, 1898	Yacht.....	50,000.00	64,809.07
Hector.....	Oct. 22, 1909	Fuel ship.....	514,027.60	113,500.55
Helena.....	July 8, 1897	Gunboat.....	430,669.05	327,992.45
Henley.....	Dec. 6, 1912	Destroyer.....	683,873.23	51,293.74
Hercules.....	1898.....	Tug.....	40,000.00	86,471.06
Hopkins.....	Sept. 23, 1903	Destroyer.....	313,350.79	245,818.36
Hull.....	May 20, 1903	do.....	318,316.05	214,523.14
Huntress.....	July 1, 1898	Yacht.....	27,500.00	20,014.68
Idaho.....	Apr. 1, 1908	Battleship.....	3,332,144.98	.....



Table 78.—SHIPS ON THE NAVY LIST JUNE 30, 1915—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1915.
Illinois.....	July 16, 1901	Battleship.....	\$4,073,429.26	\$1,271,107.47
Indiana.....	Nov. 20, 1895	.....do.....	5,333,708.05	2,113,173.91
Intrepid.....	.....1904	Unserviceable.....	403,948.19	25,998.55
Iowa.....	June 16, 1897	Battleship.....	5,162,587.12	1,583,301.18
Iris.....	Apr. 1, 1898	Tender.....	145,000.00	534,939.09
Iroquois.....	.....1898	Tug.....	150,000.00	134,790.86
Isla de Luzon.....	Jan. 31, 1900	Gunboat.....	219,700.00	370,100.47
Iwana.....	Dec. 20, 1891	Tug.....	33,253.57	66,097.64
Jacob Jones.....	.....	Destroyer.....	619,097.34	.....
Jarvis.....	Oct. 22, 1912	.....do.....	651,500.80	28,883.56
Jason.....	June 26, 1913	Fuel ship.....	971,338.04	34,477.43
Jenkins.....	June 15, 1912	Destroyer.....	665,719.08	44,643.40
Jouett.....	May 25, 1912	.....do.....	666,511.33	44,400.39
Jupiter.....	Apr. 7, 1913	Fuel ship.....	1,326,111.36	45,408.79
Justin.....	Apr. 27, 1898	.....do.....	145,000.00	308,208.37
K-1.....	Mar. 17, 1914	Submarine.....	484,174.45	2,893.05
K-2.....	Jan. 31, 1914	.....do.....	483,520.98	4,267.74
K-3.....	.....	.....do.....	499,296.94	1,260.49
K-4.....	.....	.....do.....	499,736.62	1,716.10
K-5.....	.....	.....do.....	496,653.55	275.09
K-6.....	.....	.....do.....	477,409.77	237.02
K-7.....	.....	.....do.....	508,935.84	1,252.82
K-8.....	.....	.....do.....	509,133.17	1,780.80
Kanawha.....	.....	Fuel ship.....	950,599.13	44.13
Kansas.....	Apr. 18, 1907	Battleship.....	6,208,540.89	805,160.80
Kearsarge.....	Feb. 20, 1900	.....do.....	4,429,890.69	1,412,342.87
Kentucky.....	May 15, 1900	.....do.....	4,418,094.99	1,455,922.04
L-1.....	.....	Submarine.....	482,685.72	395.99
L-2.....	.....	.....do.....	482,685.72	.....
L-3.....	.....	.....do.....	482,685.72	.....
L-4.....	.....	.....do.....	481,845.73	.....
L-5.....	.....	.....do.....	210,770.18	.....
L-6.....	.....	.....do.....	224,019.84	.....
L-7.....	.....	.....do.....	196,020.18	.....
L-8.....	.....	.....do.....	35,641.53	.....
L-9.....	.....	.....do.....	401,250.00	.....
L-10.....	.....	.....do.....	401,250.00	.....
L-11.....	.....	.....do.....	341,189.00	.....
Lamson.....	Feb. 10, 1910	Destroyer.....	604,801.09	128,589.65
Lancaster.....	.....1858	Unserviceable.....	165,700.00	282,284.09
Lawrence.....	Apr. 14, 1903	Destroyer.....	296,659.77	207,074.68
Lebanon.....	Apr. 16, 1898	Special type.....	225,000.00	298,231.86
Leonidas.....	May 21, 1898	Fuel ship.....	147,941.60	261,760.72
Louisiana.....	June 2, 1906	Battleship.....	6,065,531.19	1,080,232.67
M-1.....	.....	Submarine.....	493,476.17	.....
Macdonough.....	Sept. 5, 1903	Destroyer.....	297,023.98	165,477.99
Machias.....	July 20, 1893	Gunboat.....	492,502.32	509,562.68
Mackenzie.....	May 1, 1899	Torpedo boat.....	66,334.59	15,581.53
Maine.....	Dec. 29, 1902	Battleship.....	4,567,464.52	1,347,872.07
Manly.....	.....1898	Torpedo boat.....	24,250.00	16,241.15
Marblehead.....	Apr. 2, 1894	Cruiser.....	1,061,426.30	657,809.13
Matietta.....	Sept. 1, 1897	Gunboat.....	260,572.02	386,610.71
Mars.....	Aug. 26, 1909	Fuel ship.....	514,634.05	141,783.70
Maryland.....	Apr. 18, 1905	Cruiser (armored).....	4,874,874.16	857,143.15
Massachusetts.....	June 10, 1896	Battleship.....	5,401,844.97	1,926,408.24
Massasoit.....	.....1898	Tug.....	30,000.00	40,648.65
Maumee.....	.....	Fuel ship.....	881,705.77	.....
Mayflower.....	.....1898	Yacht.....	430,000.00	621,886.86
Mayrant.....	July 12, 1911	Destroyer.....	673,943.53	65,272.13
McCall.....	Jan. 23, 1911	.....do.....	684,286.82	62,520.31
McDougall.....	June 16, 1914	.....do.....	840,381.63	9,702.63
Melville.....	.....	Tender.....	1,180,921.46	.....
Miantonomah.....	Oct. 27, 1891	Monitor.....	2,241,418.64	252,998.49
Michigan.....	Jan. 4, 1910	Battleship.....	5,693,619.87	457,793.96
Milwaukee.....	May 1, 1906	Cruiser.....	3,275,217.29	300,896.56
Minneapolis.....	Dec. 13, 1894	.....do.....	3,403,707.07	686,883.64
Minnesota.....	Mar. 9, 1907	Battleship.....	6,149,874.47	886,085.26
Mississippi.....	.....	.....do.....	2,501,890.10	.....
Missouri.....	Dec. 1, 1903	.....do.....	4,438,925.08	1,055,228.65
Modoc.....	.....1898	Tug.....	30,000.00	39,634.16
Mohave.....	.....1914	.....do.....	125,666.67	2,775.86
Mohawk.....	.....1898	.....do.....	44,000.00	98,617.61
Mohican.....	No record.	Tender.....	76,800.00	426,759.88
Monadnock.....	Feb. 20, 1896	Monitor.....	2,549,170.70	380,382.22
Monaghan.....	June 21, 1911	Destroyer.....	644,444.29	54,462.24
Monocacy.....	June 24, 1914	Gunboat.....	134,468.72	286.48
Montana.....	July 21, 1908	Cruiser (armored).....	4,781,089.20	405,958.15
Monterey.....	Feb. 13, 1893	Monitor.....	2,301,104.75	581,554.10
Montgomery.....	June 21, 1894	Special type.....	1,050,933.54	903,347.50

Table 78.—SHIPS ON THE NAVY LIST JUNE 30, 1915—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1915.
Morris	May 11, 1898	Torpedo boat	\$94,923.87	\$63,253.97
N-1		Submarine		
N-2		do		
N-3		do		
N-4		do	42,700.00	
N-5		do	42,700.00	
N-6		do	42,700.00	
N-7		do	42,700.00	
Nanshan		Fuel ship	155,728.00	238,205.17
Narkeeta	Dec. 20, 1891	Tug	33,648.91	126,189.27
Nashville	Aug. 19, 1897	Gunboat	476,722.06	484,015.31
Navajo	Nov. 21, 1907	Tug	115,000.00	52,638.36
Nebraska	July 1, 1907	Battleship	5,679,515.96	1,001,110.17
Neptune	Sept. 20, 1911	Fuel ship	922,144.55	117,092.20
Nereus	Sept. 10, 1913	do	1,023,854.15	53,657.17
Nero	June 8, 1898	do	215,000.00	486,313.37
Nevada		Battleship	9,196,607.24	
New Hampshire	Mar. 19, 1908	do	5,976,236.99	729,098.61
New Jersey	May 12, 1906	do	5,385,806.41	1,285,622.41
New Orleans	Mar. 18, 1898	Cruiser	1,430,091.59	716,685.96
Newport	Oct. 5, 1897	Gunboat	298,615.14	191,016.13
New York	Apr. 15, 1914	Battleship	9,757,749.07	59,457.61
Nicholson		Destroyer	822,447.49	
North Carolina	May 7, 1908	Cruiser (armored)	4,779,380.27	317,456.08
North Dakota	Apr. 11, 1910	Battleship	7,246,687.04	646,689.50
O'Brien		Destroyer	823,112.12	47.47
Ohio	Oct. 4, 1904	Battleship	4,475,375.45	1,122,818.28
Oklahoma		do	9,386,796.95	
Olympia	Feb. 5, 1895	Cruiser	2,484,027.54	986,594.91
Onelda	Apr. 30, 1898	Yacht	60,000.00	36,703.31
Ontario	Aug. 24, 1912	Tug	210,137.97	19,579.82
Oregon	July 15, 1896	Battleship	5,914,021.90	1,723,340.41
Orion	July 29, 1912	Fuel ship	974,479.85	48,485.00
Osceola		Tug	100,000.00	97,532.76
Ozark	Oct. 28, 1902	Monitor	1,413,962.99	257,887.96
Paducah	July 2, 1905	Gunboat	392,698.97	140,507.54
Palos	June 24, 1914	do	136,497.43	2,306.76
Pampanga	June 8, 1899	do	18,000.00	80,798.87
Panay	June 2, 1899	do	14,000.00	74,652.66
Panther	Apr. 22, 1898	Special type	375,000.00	677,926.77
Parker	Dec. 30, 1913	Destroyer	754,358.86	16,425.68
Patapsco	1908	Tug	219,402.53	47,761.69
Patterson	Oct. 11, 1911	Destroyer	647,703.28	50,639.31
Patuxent	1908	Tug	212,167.02	41,989.80
Paulding	Sept. 29, 1910	Destroyer	652,242.26	64,435.42
Paul Jones	July 19, 1902	do	301,279.01	221,114.61
Pawnee	1908	Tug	25,000.00	49,702.47
Pawtucket	1898	do	75,366.49	51,393.84
Penacook	1898	do	84,465.68	53,208.78
Pennsylvania		Battleship	9,519,266.13	
Pentucket	1903	Tug	95,181.86	35,449.64
Peoria	1898	do	100,000.00	120,750.89
Perkins	Nov. 18, 1910	Destroyer	615,132.21	75,884.93
Perry	Oct. 4, 1902	do	303,390.47	168,011.98
Petrel	Oct. 10, 1889	Gunboat	309,981.65	393,534.14
Philadelphia	1890	Unserviceable	1,561,392.47	805,086.17
Piscataqua	1898	Tug	130,000.00	155,336.14
Pittsburgh	Mar. 9, 1905	Cruiser (armored)	4,857,086.24	1,229,571.80
Pompey	May 26, 1898	Tender	111,929.50	211,935.82
Pontiac	1898	Tug	30,000.00	91,119.21
Porter		Destroyer	573,001.80	
Portsmouth	1843	Unserviceable	33,275.00	43,565.87
Potomac	1898	Tug	125,300.00	276,119.34
Powhatan	1898	do	42,500.00	90,899.11
Prairie	Apr. 14, 1898	Transport	575,000.00	976,341.57
Preble	June 21, 1902	Destroyer	302,882.71	193,224.08
Preston	Dec. 24, 1909	do	662,864.46	109,054.43
Princeton	May 27, 1898	Gunboat	313,176.68	272,848.11
Prometheus	Jan. 15, 1910	Special type	1,605,622.20	416,965.79
Proteus	July 9, 1913	Fuel ship	998,652.53	77,710.63
Quiros	Apr. 14, 1900	Gunboat		105,681.08
Rainbow	July 18, 1898	Transport	176,250.00	675,558.47
Raleigh	Apr. 17, 1894	Cruiser	1,867,934.32	1,217,306.83
Ranger	No record.	Gunboat	127,962.00	479,095.33
Rapido	1898	Tug	5,000.00	49,726.07
Reid	Dec. 3, 1909	Destroyer	637,600.99	156,258.65
Reina Mercedes	1898	Unserviceable		380,353.78
Relief	1898	Hospital ship	450,000.00	187,837.27
Rhode Island	Feb. 19, 1906	Battleship	5,360,125.52	1,153,998.10

Table 78.—SHIPS ON THE NAVY LIST JUNE 30, 1915—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1915.
Richmond.....	1858	Unserviceable.....	\$43,380.00	\$91,289.24
Rocket.....	1898	Tug.....	29,000.00	40,914.45
Rodgers.....	Apr. 2, 1898	Torpedo boat.....	110,720.63	101,619.92
Roe.....	Sept. 17, 1910	Destroyer.....	643,092.74	85,353.33
Sacramento.....	Apr. 26, 1914	Gunboat.....	493,075.08	2,058.47
Salem.....	Aug. 1, 1908	Cruiser.....	1,619,325.00	350,140.30
Samar.....	May 26, 1899	Gunboat.....	18,000.00	84,953.72
Samoset.....	Mar. 20, 1897	Tug.....	73,505.28	45,711.30
San Diego.....	Aug. 1, 1907	Cruiser (armored).....	4,713,274.11	580,095.66
Sandoval.....	July 2, 1898	Gunboat.....	17,000.00	41,719.52
San Francisco.....	Aug. 21, 1911	Special type.....	1,738,257.82	1,681,271.24
Saratoga.....	Aug. 1, 1892	Cruiser.....	3,897,840.32	2,304,708.95
Saturn.....	Apr. 11, 1898	Fuel ship.....	290,000.00	399,715.84
Scorpion.....	....do.....	Yacht.....	300,000.00	334,049.11
Sebago.....	1898	Tug.....	28,000.00	57,019.67
Severn.....	Dec. 3, 1899	Tender.....	357,641.96	118,157.31
Shubrick.....	Sept. 21, 1905	Torpedo boat.....	145,299.20	86,238.36
Sioux.....	1898	Tug.....	25,553.51	80,345.26
Smith.....	Nov. 26, 1909	Destroyer.....	608,437.32	116,108.07
Solace.....	Apr. 14, 1898	Hospital ship.....	600,000.00	916,607.87
Somers.....	Mar. 28, 1898	Torpedo boat.....	72,997.50	38,274.62
Sonoma.....	Aug. 24, 1912	Tug.....	198,778.55	30,000.36
Sotoyomo.....	1903	....do.....	71,143.05	63,882.78
South Carolina.....	Mar. 1, 1910	Battleship.....	5,669,186.53	589,234.00
South Dakota.....	Jan. 27, 1908	Cruiser (armored).....	4,735,160.58	531,566.87
Southern.....	1898	Unserviceable.....	100,000.00	244,898.53
Standish.....	No record.	Tug.....	48,380.00	165,957.22
Sterett.....	Dec. 15, 1910	Destroyer.....	618,325.71	92,269.93
Sterling.....	Apr. 16, 1898	Fuel ship.....	190,000.00	264,294.04
Stewart.....	Dec. 17, 1902	Destroyer.....	299,877.30	267,006.42
St. Louis.....	Aug. 18, 1906	Cruiser.....	3,173,782.63	457,647.60
Stranger.....	June 30, 1898	Yacht.....	75,000.00	37,194.16
Supply.....	1898	Supply ship.....	325,000.00	594,613.46
Sylph.....	Aug. 18, 1898	Yacht.....	50,000.00	108,572.23
Sylvia.....	June 29, 1898	....do.....	25,000.00	54,664.37
Tacoma.....	Jan. 30, 1904	Cruiser.....	1,113,395.45	300,511.82
Tallahassee.....	July 18, 1903	Monitor.....	1,307,130.91	289,191.82
Tecumseh.....	1898	Tug.....	45,000.00	105,978.97
Tennessee.....	July 17, 1906	Cruiser (armored).....	5,213,918.04	685,421.60
Terror.....	Apr. 15, 1895	Monitor.....	2,018,759.25	211,581.92
Terry.....	Oct. 18, 1910	Destroyer.....	639,505.55	96,241.59
Texas.....	Mar. 12, 1913	Battleship.....	9,476,937.31	87,464.15
Thornton.....	June 9, 1902	Torpedo boat.....	144,425.90	74,879.21
Tillamook.....	Dec. 2, 1914	Tug.....	123,666.66	2,905.81
Tingey.....	Jan. 7, 1904	Torpedo boat.....	196,707.65	54,257.17
Tonopah.....	Mar. 5, 1903	Monitor.....	1,396,488.61	248,275.46
Topeka.....	1898	Unserviceable.....	170,327.50	507,655.82
Traffic.....	1898	Tug.....	26,400.00	73,869.02
Transfer.....	1905	....do.....	133,053.00	17,031.49
Trippie.....	Mar. 23, 1911	Destroyer.....	665,838.44	63,302.78
Triton.....	No record.	Tug.....	35,000.00	95,331.58
Truxton.....	Sept. 11, 1902	Destroyer.....	304,537.10	215,182.83
Tucker.....	....do.....	....do.....	560,093.39	.....
Unadilla.....	1895	Tug.....	101,145.08	102,439.18
Uncas.....	1898	....do.....	75,000.00	137,915.12
Utah.....	Aug. 31, 1911	Battleship.....	7,002,295.02	248,833.95
Vermont.....	Mar. 4, 1907	....do.....	6,166,267.28	1,222,144.53
Vestal.....	Oct. 4, 1909	Special type.....	1,625,417.26	440,160.76
Vesuvius.....	June 7, 1890	....do.....	360,007.94	354,590.19
Vicksburg.....	Oct. 23, 1897	Gunboat.....	286,050.92	278,801.59
Vigilant.....	1898	Tug.....	60,000.00	108,494.49
Villalobos.....	Mar. 3, 1900	Gunboat.....	.....	45,084.52
Virginia.....	May 7, 1906	Battleship.....	5,491,036.12	1,051,394.57
Vixen.....	Apr. 11, 1898	Yacht.....	150,000.00	243,229.73
Vulcan.....	Oct. 2, 1909	Fuel ship.....	515,136.49	105,159.01
Waban.....	1898	Tug.....	20,000.00	74,001.38
Wadsworth.....	....do.....	Destroyer.....	795,929.81	.....
Wahnetta.....	1891	Tug.....	33,176.52	86,171.73
Wainwright.....	....do.....	Destroyer.....	619,083.68	.....
Walke.....	July 22, 1911	....do.....	650,396.79	74,531.12
Warrington.....	Mar. 20, 1911	....do.....	676,469.28	94,143.19
Washington.....	Aug. 7, 1906	Cruiser (armored).....	5,201,905.64	628,560.46
Wasp.....	Apr. 11, 1898	Yacht.....	95,000.00	163,657.14
West Virginia.....	Feb. 23, 1905	Cruiser (armored).....	4,885,216.51	992,754.07
Wheeling.....	Aug. 10, 1897	Gunboat.....	256,069.19	308,297.91
Whipple.....	Oct. 21, 1902	Destroyer.....	303,754.39	227,246.96
Wilmington.....	May 13, 1897	Gunboat.....	424,868.65	364,206.83
Winslow.....	....do.....	Destroyer.....	751,892.61	.....



Table 78.—SHIPS ON THE NAVY LIST JUNE 30, 1915—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and motor).	Repairs, changes, and additions to June 30, 1915.
Wisconsin.....	Feb. 4, 1901	Battleship.....	\$4,162,617.53	\$1,142,332.90
Wolverine.....	1844	Unserviceable.....	47,795.00	26,558.37
Wompatuck.....	1898	Tug.....	65,000.00	113,644.10
Worden.....	Dec. 3, 1902	Destroyer.....	303,301.00	206,898.24
Wyoming.....	July 25, 1912	Battleship.....	8,241,265.53	218,401.22
Yankton.....	May 16, 1898	Yacht.....	125,000.00	278,523.27
Yantic.....	1864	Unserviceable.....	62,030.00	51,782.21
Yorktown.....	Apr. 23, 1889	Gunboat.....	548,006.61	779,245.78
Destroyer No. 63.....			278,359.65	
Destroyer No. 64.....			238,609.66	
Destroyer No. 65.....			160,000.00	
Destroyer No. 66.....			160,000.00	
Destroyer No. 67.....			81,230.90	
Destroyer No. 68.....			34,068.86	
Supply Ship No. 1.....			118,777.30	
Transport No. 1.....			119,485.15	
Air craft.....			99,241.37	
Total.....			459,686,551.32	109,534,166.99

NOTE.—Battleships Nos. 43 and 44, destroyers Nos. 69 to 74, inclusive, and submarines Nos. 60 to 77, inclusive, were authorized and appropriations toward their construction made available July 1, 1915, by naval act of Mar. 3, 1915.

# GENERAL INDEX OF TEXT AND TABLES.

A.	Page.	Act of—	Page.
Accounting system, establishment of.....	303	Apr. 27, 1904 (58-2), new legis-	209
Accounts, property, to be kept....	51	lation only.....	
Act of—		Mar. 3, 1905 (58-3), new legis-	223
Aug. 5, 1882, important pro-		June 29, 1906 (59-1), new legis-	233
visions of.....	5	lation only.....	
Mar. 3, 1883 (47-2), text in	7	Mar. 2, 1907 (59-2), new legis-	251
full.....		lation only.....	
July 7, 1884 (48-1), text in	21	May 13, 1908 (60-1), new legis-	265
full.....		lation only.....	
Jan. 30, 1885 (48-2), new legis-	23	Mar. 3, 1909 (60-2), new legis-	285
lation only.....		lation only.....	
Mar. 3, 1885 (48-2), new legis-	25	June 24, 1910 (61-2), new legis-	303
lation only.....		lation only.....	
July 26, 1886 (49-1), new legis-	29	Mar. 4, 1911 (61-3), new legis-	321
lation only.....		lation only.....	
Aug. 3, 1886 (49-1), text in	33	Aug. 22, 1912 (62-2), new legis-	335
full.....		lation only.....	
Mar. 3, 1887 (49-2), new legis-	37	Mar. 4, 1913 (62-3), new legis-	355
lation only.....		lation only.....	
Sept. 7, 1888 (50-1), new legis-	43	June 30, 1914 (63-2), new legis-	369
lation only.....		lation only.....	
Mar. 2, 1889 (50-2), new legis-	49	Mar. 3, 1915 (63-3), text in	383
lation only.....		full.....	
June 30, 1890 (51-1), new legis-	57	Acts relating to—	
lation only.....		Personnel.....	573
Mar. 2, 1891 (51-2), new legis-	67	Retirement.....	603
lation only.....		Admiral of the Navy:	
July 19, 1892 (52-1), new legis-	75	Pay of.....	137
lation only.....		Not to be retired.....	148
Mar. 3, 1893 (52-2), new legis-	81	Officers appointed.....	604
lation only.....		Admiral and Vice Admiral:	
July 26, 1894 (53-2), new legis-	87	Grades established.....	401
lation only.....		Pay and allowances of.....	401
Mar. 2, 1895 (53-3), new legis-	95	Advertisements.....	62, 285, 338
lation only.....		Advertising agency, employment	
June 10, 1896 (54-1), new legis-	103	of.....	338
lation only.....		Advertising for all bureaus.....	285
Mar. 3, 1897 (54-2), new legis-	115	Advisory Board, Naval.....	5
lation only.....		Aeronautics:	
May 4, 1898 (55-2), new legis-	123	Advisory committee for.....	385
lation only.....		Provision for.....	385
Mar. 3, 1899 (55-3), new legis-	137	Age:	
lation only.....		Certificate as to.....	235
Mar. 3, 1899 (55-3), text in	417	Admission to Naval Academy.....	205
full.....		Air craft, report.....	415
June 7, 1900 (56-1), new legis-	149	Algiers, La., public works:	
lation only.....		1893 (52-2).....	83
Mar. 3, 1901 (56-2), new legis-	163	1894 (53-2).....	89
lation only.....		1898 (55-2).....	130
July 1, 1902 (57-1), new legis-	177	1899 (55-3).....	144
lation only.....		1900 (56-1).....	156
Mar. 3, 1903 (57-2), new legis-	195	1901 (56-2).....	169
lation only.....			

	Page.		Page.
Allotment of pay, officers.....	103	Authorization of—	
Ambulances.....	98, 107	Two steam cruisers, 1882.....	5
Ammunition, etc.....	43, 251, 267, 392	Three steel cruisers, 1883.....	15
Annapolis, Md., historic places... ..	200	to continue, 1884.....	21
Appointments.....	204,	to continue, 1886.....	31
219, 246, 347, 355, 364, 378		One dispatch boat, 1883.....	15
Warrant officers as ensigns . . .	174,	to continue, 1884.....	21
204, 219, 298		to continue, 1886.....	31
Appropriations:		Two cruisers, one heavily	
In detail, 1884 to 1916.....	433-465	armed gunboat, one light	
Secretary's Office.....	433	gunboat, 1885.....	26
Navigation.....	434	Two armored sea-going ves-	
Ordnance.....	436	sels, one protected cruiser,	
Equipment.....	438	one torpedo boat, 1886.....	33
Yards and Docks.....	439	One dynamite-gun cruiser....	35
Medicine and Surgery....	447	Two steel gunboats, two steel	
Supplies and Accounts... ..	449	cruisers, floating batteries	
Construction and Repair..	450	or rams, 1887.....	40, 42
Steam Engineering.....	452	Two steel cruisers, one steel	
Naval Academy.....	455	cruiser, one armored cruiser,	
Marine Corps.....	456	three gunboats, practice	
Increase of the Navy.....	458	vessel, Naval Academy, 1888	46, 47
Miscellaneous.....	460	One steel cruising monitor; one	
Total.....	464	cruiser, Vesuvius type; two	
Summary of naval, 1884-1916..	466	gunboats; one harbor de-	
Clerical and contingent ex-		fense ram, 1889.....	52, 53, 54
penses, 1884-1916.....	491	Three sea-going battleships,	
Miscellaneous, 1884-1916.....	467	one protected cruiser, one	
Pay of the Navy, 1886-1916... ..	566	torpedo boat, one torpedo	
Submarines.....	507	cruiser, 1890.....	64
Summary of all, 1884-1916....	472	One protected cruiser, 1891... ..	72
Total United States.....	491	One armored cruiser, one bat-	
Arlington, Va., land set aside for		tleship, 1892.....	79
Navy.....	340	One submarine.....	82
Armament of vessels authorized... ..	15, 33,	Three protected gunboats,	
42, 47, 54, 65, 72, 80, 86, 93, 100,		1893.....	85
112, 121, 135, 148, 161, 176, 194,		Three torpedo boats, 1894.....	94
208, 222, 231, 249, 263, 282, 301,		Two battleships, six gunboats,	
318, 332, 352, 366, 380, 415		three torpedo boats, 1895... ..	99
Armor.....	25,	Three battleships, three tor-	
33, 42, 47, 54, 58, 65, 67, 72, 80,		pedo boats, ten torpedo	
86, 93, 100, 112, 121, 135, 148, 161,		boats, two submarines, 1896..	111,
176, 208, 222, 231, 249, 263, 282,			112
301, 318, 332, 352, 366, 380, 415		Three torpedo boats, one train-	
Contracts—		ing vessel, composite, 1897..	120,
Bethlehem Steel Co.....	539		121
Carbon Steel Co.....	541	Three battleships, four moni-	
Carnegie Steel Co.....	540	tors, sixteen torpedo-boat	
Midvale Steel Co.....	541	destroyers, one gunboat, twelve	
Prices.....	541	torpedo boats, 1898.....	133, 134
Limit of cost of.....	148	Three battleships, three ar-	
Armor on ships.....	539-541	mored cruisers, six protected	
Plant.....	161, 231, 380	cruisers, 1899.....	147
Plate investigation.....	112	Two battleships, three ar-	
Armory, Naval Academy.....	133	mored cruisers, three pro-	
Army:		tected cruisers, five subma-	
Corresponding grades in Navy		rine torpedo boats, 1900..	160, 161
and Marine Corps.....	603	Two battleships, two armored	
Retirement acts.....	603, 604	cruisers, 1901.....	175
Assignments to command, rules		Two battleships, two armored	
governing.....	176	cruisers, two gunboats, 1902..	193



Authorization of—	Page.	Aviation:	Page.
Five first-class battleships, two training ships, one wooden brig, submarine torpedo boats not to exceed \$500,000, 1903.....	206, 207	Experiments in.....	322
One first-class battleship, two armored cruisers, three scout cruisers, two colliers, submarines not to exceed \$850,000, 1904.....	220, 221, 222	Duty, pay for.....	356
Two first-class battleships, 1905.....	230	Aviators: Pay of, gratuity pay in case of death, pension of injured.....	397
One first-class battleship, three torpedo-boat destroyers, submarines not to exceed \$1,000,000, 1906.....	247, 248	B.	
One first-class battleship, two torpedo destroyers, 1907.....	261	Badges, etc.....	267
Two first-class battleships, ten torpedo-boat destroyers, two colliers, three colliers, purchase, eight submarines, 1908.....	281, 282	Balances, unexpended, reappropriated.....	10, 24, 179, 195, 223, 260, 313, 318, 340, 372, 378, 414, 415
Two first-class battleships, five torpedo-boat destroyers, one fleet collier, four submarines, three subsurface destroyers, 1909.....	299, 300	Bands, Navy, in competition with civilian musicians.....	280
Two first-class battleships, two colliers, four submarines, six torpedo-boat destroyers, 1910.....	316, 317	Barge coaling.....	131
Two first-class battleships, two fleet colliers, eight torpedo-boat destroyers, four submarines, one submarine tender, one gunboat, one river gunboat, two seagoing tugs, 1911.....	330, 331	Barracks, Marine Corps.....	19, 46, 52, 63, 64, 72, 78, 84, 93, 110, 120, 133, 146, 159, 175, 192, 220, 230, 243, 259, 277, 295, 311, 346, 360, 394, 412
One first-class battleship, two fuel ships, six torpedo-boat destroyers, one tender to destroyers, eight submarines, one submarine tender, 1912.....	351	Battleships authorized:	
One first-class battleship, six torpedo-boat destroyers, four submarines, one transport, one supply ship, 1913.....	365	Three, seagoing, 1890.....	64
Two first-class battleships, six torpedo-boat destroyers, one seagoing submarine, seven or more submarines, coast-defense type, one first-class battleship from proceeds of sale, 1914.....	378, 379, 381	One, 1892.....	79
Two first-class battleships, six torpedo-boat destroyers, two sea-going submarines, sixteen submarines, coast defense type, one fuel-oil ship, 1915.....	414, 415	Two, 1895.....	99
Ships, by years and congresses.....	493-497	Three, 1896.....	111
Yearbook.....	2	Three, 1898.....	133
Authorized number enlisted men..	374	Three, seagoing, 1899.....	147
		Two, 1900.....	160
		Two, seagoing, 1901.....	175
		Two, 1902.....	193
		Five, first-class, 1903.....	206
		One, first-class, 1904.....	220
		Two, first-class, 1905.....	230
		One, first-class, 1906.....	247
		One, first-class, 1907.....	261
		Two, first-class, 1908.....	281
		Two, first-class, 1909.....	299
		Two, first-class, 1910.....	316
		Two, first-class, 1911.....	330
		One, first-class, 1912.....	351
		One, first-class, 1913.....	365
		Two, first-class, 1914.....	378
		One, first-class, from proceeds of sale, 1914.....	381
		Two, first-class, 1915.....	414
		Battleships and monitors, names of.....	135
		Beneficiaries of deceased officers and men.....	266, 335
		Naval Home—	
		Employment of.....	235
		Pay for extra duty.....	304
		Blythe Island, location of rifle range at.....	171
		Board of—	
		Investigation.....	10
		Visitors, Naval Academy.....	173, 315, 364, 409
		Boston, Mass., public works:	
		1887 (49-2).....	38
		1888 (50-1).....	44
		1889 (50-2).....	49
		1890 (51-1).....	59
		1891 (51-2).....	68
		1893 (52-2).....	82
		1894 (53-2).....	88, 93

Boston, Mass., public works—Con- tinued.	Page.	Cavite, P. I., public works:	Page.
1895 (53-3) .....	96	1902 (57-1) .....	185
1896 (54-1) .....	104	1903 (57-2) .....	199
1897 (54-2) .....	116	1904 (58-2) .....	214
1898 (55-2) .....	127	1907 (59-2) .....	255
1899 (55-3) .....	139	1908 (60-1) .....	273
1900 (56-1) .....	152	1909 (60-2) .....	291
1901 (56-2) .....	166	Cemeteries:	
1902 (57-1) .....	180	Brooklyn, N. Y. ....	118
1903 (57-2) .....	196	Chelsea, Mass. ....	145
1904 (58-2) .....	210	Mare Island, Cal. ....	107
1905 (58-3) .....	224	Norfolk, Va. ....	131
1906 (59-1) .....	237	Chaplain:	
1907 (59-2) .....	252	Acting. ....	374
1908 (60-1) .....	269	Qualifications. ....	374
1909 (60-2) .....	289	Number and rank of. ....	375
1910 (61-2) .....	307	Pay of. ....	234, 375
1911 (61-3) .....	323	Charleston, S. C., public works:	
1912 (62-2) .....	341	1901 (56-2) .....	170
1913 (62-3) .....	357	1902 (57-1) .....	185
1914 (63-2) .....	372	1903 (57-2) .....	198
1915 (63-3) .....	393	1904 (58-2) .....	211
Brig, wooden, one, 1903. ....	207	1905 (58-3) .....	225
Bounty, refund of. ....	233	1906 (59-1) .....	238
Brooklyn, N. Y., public works:		1907 (59-2) .....	253
1888 (50-1) .....	44	1908 (60-1) .....	271
1889 (50-2) .....	49	1909 (60-2) .....	290
1890 (51-1) .....	59	1911 (61-3) .....	325
1891 (51-2) .....	68, 69	1912 (62-2) .....	342
1892 (52-1) .....	76	1913 (62-3) .....	358
1893 (52-2) .....	82	1914 (63-2) .....	372
1894 (53-2) .....	89, 93	1915 (63-3) .....	393
1895 (53-3) .....	96	Chiefs of bureaus:	
1896 (54-1) .....	105	Compensation and retirement. ....	304
1897 (54-2) .....	116	Pay and allowances. ....	336
1898 (55-2) .....	127	Citizenship:	
1899 (55-3) .....	141	Enlisted force. ....	567
1900 (56-1) .....	152	Enlistment, as relating to. ....	87, 370
1901 (56-2) .....	166	Civil engineer:	
1902 (57-1) .....	181	Assistant, pay of. ....	203
1903 (57-2) .....	196	Number increased. ....	179
1904 (58-2) .....	210	Civil establishment. ....	37
1905 (58-3) .....	224	Civilian:	
1906 (59-1) .....	237	Clerk hire, report of. ....	24
1907 (59-2) .....	253	Employees, island posses- sions. ....	177, 209
1908 (60-1) .....	259	Employees, sale of supplies to. ....	218
1909 (60-2) .....	290	Experts on Naval Advisory Board. ....	16, 29
1910 (61-2) .....	307	Classification of vessels. ....	176
1911 (61-3) .....	324	Classified force, pay of. ....	285, 287, 289, 296, 297, 301
1912 (62-2) .....	342	Clerical:	
1913 (62-3) .....	358	Duty, civilians, report of. ....	24
1914 (63-2) .....	372	Force, Navy Department. ....	565
1915 (63-3) .....	393	Yards and stations. ....	564
Buildings, marine barracks ....	146, 159, 175, 192, 220, 243, 259, 277, 295, 346, 360, 394	Clothing:	
C. ....		Fund, credits of, to revert to Treasury. ....	31
Cable, telegraphic, surveys for. ....	67	And small stores fund, consolidation of. ....	62
Cadet, Naval Academy:		Loss of, reimbursement for. ....	133
Appointment of. ....	92, 99	Outfit, first enlistment. ....	149, 177, 235, 371, 388
Court-martial of. ....	99	Outfit, second enlistment. ....	371
Title of, changed to midship- man. ....	191	And small stores fund. ....	62, 202
Canal tolls, remission of. ....	369		

Coal:	Page.	Construction plants—Continued.	Page.
On hand.....	549	Key West, 1899 (55-3).....	146
Shipments of.....	550-554	Mare Island—	
To ships.....	548	1888 (50-1).....	46
Cost of transportation.....	550-554	1890 (51-1).....	63
In Alaska, test of.....	341	1898 (55-2).....	132
Coasters Harbor Island.....	38,	1913 (62-3).....	363
43, 57, 82, 95, 103, 137		1915 (63-3).....	406
Colliers, authorized:		New York—	
Two, 1904.....	221	1889 (50-2).....	52
Two, 1908.....	282	1890 (51-1).....	62
Three, purchase of 1908.....	282	1898 (55-2).....	132
One fleet, 1909.....	299	1913 (62-3).....	363
Two fleets, 1910.....	316	1915 (63-3).....	406
Two fleets, 1911.....	330	Norfolk—	
Two fuel ships, 1912.....	351	1890 (51-1).....	63
One oil-fuel ship, 1915.....	415	1898 (55-2).....	132
Colliers:		1913 (62-3).....	363
Cost, how charged.....	404	1915 (63-3).....	406
Maintenance.....	165	Pensacola, 1899 (55-3).....	145
Collisions, claims for damages.....	304	Port Royal, 1899 (55-3).....	145
Columbian Museum, Chicago.....	101	Philadelphia—	
Combinations to monopolize trade,		1890 (51-1).....	62
prevention of....	332, 353, 366, 381, 416	1898 (55-2).....	132
Commandant of Marine Corps,		1913 (62-3).....	363
rank of.....	192	1915 (63-3).....	406
Commission—		Portsmouth—	
To locate navy yards and dry		1890 (51-1).....	62
docks.....	44	1898 (55-2).....	131
To observe transit of Venus....	30	1913 (52-3).....	363
To select sites for dry docks....	61	1915 (63-3).....	406
Comparative sea strength.....	605	Puget Sound—	
Compass testing house.....	23	1898 (55-2).....	132
Compensation, civilian employees,		1913 (62-3).....	363
rates of.....	286	1915 (63-3).....	406
Competition, contracts for steel and		Construction and Repair, Bureau	
armor, subject to.....	80	of:	
Complements of—		1883 (47-2).....	14
Armored cruisers.....	516	1885 (48-2).....	23
Battleships.....	514	1886 (49-1).....	31
Cruisers.....	516	1887 (49-2).....	39
Destroyers.....	517	1888 (50-1).....	46
Gunboats.....	519	1889 (50-2).....	51
Monitors.....	517	1890 (51-1).....	62
Torpedo boats.....	518	1891 (51-2).....	71
Condemned stores, sale of, author-		1892 (52-1).....	78
ized.....	61	1894 (53-2).....	92
Connecticut, limit of cost in-		1896 (54-1).....	108
creased.....	248	1897 (54-2).....	118
Consolidating stores.....	39, 84	1898 (55-2).....	131
Consolidation of—		1899 (55-3).....	145
Power plants.....	273	1900 (56-1).....	158
Torpedo station and War Col-		1901 (56-2).....	174
lege.....	43	1902 (57-1).....	190
Construction plants:		1903 (57-2).....	202
Algiers, 1900 (56-1).....	158	1904 (58-2).....	218
Boston—		1906 (59-1).....	245
1890 (51-1).....	62	1907 (59-2).....	260
1898 (55-2).....	131	1908 (60-1).....	278
1913 (62-3).....	363	1909 (60-2).....	296
1915 (63-3).....	406	1910 (61-2).....	312
Cavite, 1902 (57-1).....	190	1911 (61-3).....	329
Charleston—		1912 (62-2).....	349
1907 (59-2).....	260	1913 (62-3).....	362
1913 (62-3).....	363	1914 (63-2).....	376
1915 (63-3).....	406	1915 (63-3).....	404
Hawaii, 1912 (62-2).....	349		



	Page.		Page.
Construction and Repair, Chief of Bureau.....	81	Dental surgeon:	
Constructive service abolished.....	355	Acting assistant, appointment of.....	347
Constructors, assistant naval, appointment of.....	190	Assistant, commission of.....	347
Contingent expenses of the Navy:		Naval Academy.....	355
1883 (47-2).....	9	Deposits:	
1885 (48-2).....	23	Enlisted men of the Marine Corps.....	247
1900 (56-1).....	149	Enlisted men, Georgia, repayment of.....	337
1902 (57-1).....	177	Depots for coal.....	50, 126, 165, 179, 341, 357, 359, 373, 394
1904 (58-2).....	209	Desertion, forfeitures on account of.....	157
1915 (63-3).....	384	Destroyers, subsurface, authorized: Three—	
Cooks, Marine Corps, additional compensation.....	261	1909.....	300
Copies, number of, Yearbook.....	2	1910.....	318
Corresponding grades, Army, Navy, and Marine Corps.....	603	Destroyers, torpedo-boat, authorized:	
Cost:		Sixteen, 1898.....	134
Of work, indirect expense....	303	Three, 1906.....	247
Per ton, armor for ships....	539-541	Two, 1907.....	261
System, accounting.....	303	Ten, 1908.....	281
Craney Island, Va., wharf and approaches.....	49	Five, 1909.....	299
Credit for supplies turned into store	376	Six, 1910.....	317
Cruisers authorized:		Eight, 1911.....	330
Two steam, 1882.....	5	Six, 1912.....	351
Three steel, 1883.....	15	Six, 1913.....	365
To continue, 1884.....	21	Six, 1914.....	379
To continue, 1886.....	31	Six, 1915.....	414
Two, 1885.....	26	Detailed, retired officers.....	95
One protected, 1886.....	33	Detroit, silver service of.....	323
One dynamite gun.....	35	Disallowances, removal of, marine quartermaster's accounts.....	330
Two steel, 1887.....	40	Discharge, purchase of.....	82
Two steel, one steel, one armored, 1888.....	46	Discharged prisoners, transportation of.....	287
One, Vesuvius type, 1889....	53	Dispatch boat, authorized:	
One protected, one torpedo, 1890.....	64	One, 1883.....	15
One protected, 1891.....	72	To continue, 1884.....	21
One armored, 1892.....	79	To continue, 1886.....	31
Three armored, six protected, 1899.....	147	Displacement:	
Three armored, three protected, 1900.....	160	Total tonnage, United States Navy.....	520
Two armored, 1901.....	175	Vessels.....	493-497
Two armored, 1902.....	193	Warships, principal powers....	525
Two armored, three scout, 1904.....	220, 221	Distances between navy yards....	543
Crypt of chapel, Naval Academy. {	298, 330	Docks, naval.....	544, 545
Culebra, Porto Rico, public works:		Domestic material, shipbuilding....	34,
1907 (59-2).....	255	42, 47, 53, 65, 72, 79,	
1908 (60-1).....	273	135, 207, 262, 300, 317	
		Draft of vessels.....	493, 497
D.		Dry docks:	
Damages from collisions, claims for.....	304	Algiers.....	83, 89, 130, 156
Dates, first commission battleships.....	520	Boston.....	38, 59, 116, 129, 144, 156, 170, 184, 224, 324
Delay, penalty for, shipbuilders' claims.....	109	Cavite.....	185, 214
Dental Corps.....	346	Charleston....	170, 185, 225, 238, 253
Dental Reserve Corps.....	361	Guantanamo.....	214
		Havana, purchase of.....	157
		Mare Island.....	60,
		117, 130, 144, 156, 170, 184	
		New York.....	59, 105,
		127, 152, 166, 270, 290, 307, 324	

Dry docks—Continued.		Page.	Equipment, Bureau of:		Page.
Norfolk. . . . .	60, 154, 167, 212, 253, 309		1883 (47-2) . . . . .		11
Pearl Harbor . . . . .	272		1886 (49-1) . . . . .		30
	291, 309, 326, 343, 373		1890 (51-1) . . . . .		58
Philadelphia . . . . .	44		1891 (51-2) . . . . .		73
	116, 130, 144, 156, 170, 184		1892 (52-1) . . . . .		80
Port Royal . . . . .	60, 68, 77, 89, 154		1893 (52-2) . . . . .		86
Portsmouth . . . . .	129, 144, 156, 170, 184		1897 (54-2) . . . . .		115
Puget Sound . . . . .	69, 83, 90, 98,		1898 (55-2) . . . . .		126
	106, 239, 254, 271, 291, 309, 325		1899 (55-3) . . . . .		139
San Francisco, rented . . . . .	376		1900 (56-1) . . . . .		151
Site for . . . . .	38, 44, 130, 156		1901 (56-2) . . . . .		165
Dry Tortugas, Fla., public works:			1902 (57-1) . . . . .		179
1900 (56-1) . . . . .	156		1904 (58-2) . . . . .		217
1901 (56-2) . . . . .	170		1905 (58-3) . . . . .	223, 229	
E.			1906 (59-1) . . . . .	236, 242	
Eight-hour law . . . . .	331, 352		1908 (60-1) . . . . .	269, 276	
Electrical appliances . . . . .	151		1909 (60-2) . . . . .	289	
Emergency fund:			1910 (61-2) . . . . .	306, 311	
1900 . . . . .	149		1912 (62-2) . . . . .	340	
1902 . . . . .	177		1913 (62-3) . . . . .	357	
Employee on leave, pay of . . . . .	356		Abolition of, 1914 (63-2) . . . . .	378	
Employees, navy yard . . . . .	560		Equipment plant, Cavite . . . . .	151	
Employees' time . . . . .	416		Estimates:		
Engineer, assistant, vacancies . . . . .	87		1916-17 . . . . .	473-490	
Engineering experiment station . . . . .	203,		1916-17, decrease of . . . . .	473-490	
	313, 329		1916-17, increase of . . . . .	473-490	
Engineering, formerly Steam Ma-			1916-17, new items . . . . .	473-490	
chinery . . . . .	377		Pay, how made . . . . .	267	
Engraving machine . . . . .	88		Expenditures:		
Enlisted force . . . . .	558		Construction of vessels . . . . .	492	
Active list . . . . .	558		During 1915, total . . . . .	492	
Average number . . . . .	558		Maintaining ships in commis-		
Retired . . . . .	562		sions . . . . .	492	
Citizenship of . . . . .	567		Naval by principal powers . . . . .	535	
By grades . . . . .	563		Naval Militia . . . . .	492	
Enlisted men:			Navy, 1914-1915, inclusive . . . . .	492	
Discharge of . . . . .	338		Experiments:		
Employment of . . . . .	350, 352		Machinery . . . . .	245, 298	
Enlisted strength, 1885-1915 . . . . .	565		Ordnance material . . . . .	289, 305, 357, 392	
Enlistment:			Experiments and tests . . . . .	75,	
Ages for . . . . .	304			82, 289, 357, 392	
Authority for increased, tem-			Experts, civilian, Naval Advisory		
porary . . . . .	123		Board . . . . .	16, 29	
Fraudulent, an offense . . . . .	81		F.		
Period of, in Marine Corps . . . . .	175		Fire-control instruments . . . . .	251, 268, 288	
Requirements for . . . . .	566		Flag, draping coffin . . . . .	376	
Statistics relating to . . . . .	566		Flags of maritime nations, pub-		
Term of . . . . .	337		lication of . . . . .	115	
Ensign:			Floating batteries or rams author-		
Appointment of warrant offi-			ized:		
cer as . . . . .	174, 204, 219, 298		1887 . . . . .	42	
Vacancies . . . . .	87		1899 . . . . .	54	
Warrant officers appointed . . . . .	570		Floating derrick, provision for . . . . .	273, 292	
Equipage, armament:			Florida, limit of cost increased . . . . .	332	
Armored cruiser's cost . . . . .	510		Foreign fleets:		
Battleship's cost . . . . .	510		Entertainment of . . . . .	369	
Gunboat's cost . . . . .	511		Review . . . . .	78, 85, 333, 369	
Monitor's cost . . . . .	511		Foreigners, instruction of, at Naval		
Protected cruiser's cost . . . . .	510		Academy . . . . .	245	
Scout cruiser's cost . . . . .	511		Foundry, board for locating . . . . .	10	
Training ship's cost . . . . .	512		Freight charges, consolidation of . . . . .	230	
Unprotected cruiser's cost . . . . .	511				

Fuel:	Page.	Hull and machinery:	Page.
Liquid, experiments and tests.....	132, 190	Armored cruiser's cost.....	510
Navy.....	546, 547	Battleship's cost.....	510
		Fuel ship's cost.....	512
		Gunboat's cost.....	511
G.		Monitor's cost.....	511
General stock, common.....	51	Protected cruiser's cost.....	510
Georgia, stolen funds, deposits, repayment of.....	337	Scout cruiser's cost.....	511
Gratuity, six months pay to widows or beneficiaries.....	266, 335	Training ship's cost.....	512
Graves, headstones for, Huron dead.....	32	Tug's cost.....	512
Guam, public works:		Unprotected cruiser's cost....	511
1903 (57-2).....	199	Huron, dead.....	32
1905 (58-3).....	227	Hurricane damages, Samoa.....	386
1906 (59-1).....	239	Hydrographic Office, officers.....	371
1907 (59-2).....	255, 256		
1908 (60-1).....	272, 274	I.	
1909 (60-2).....	291, 292	Increase of the Navy:	
1910 (61-2).....	310	1883 (47-2).....	14
1911 (61-3).....	326	1884 (48-1).....	21
1912 (62-2).....	338	1885 (48-2).....	24, 26
1913 (62-3).....	359	1886 (49-1).....	33
Guantanamo, Cuba, public works:		1887 (49-2).....	40
1903 (57-2).....	200	1888 (50-1).....	46
1904 (58-2).....	214	1889 (50-2).....	52
1911 (61-3).....	324	1890 (51-1).....	64
1914 (63-2).....	373	1891 (51-2).....	72
Gun cotton factory.....	88	1892 (52-1).....	79
Gun Factory, Washington, D. C....	55, 65, 75, 88, 104, 124, 150, 164, 195, 288, 339, 391	1893 (52-2).....	85
Gunboats, authorized:		1894 (53-2).....	93
One heavily armed, 1885.....	26	1895 (53-3).....	99
One light, 1885.....	26	1896 (54-1).....	111
Two steel, 1887.....	40	1897 (54-2).....	120
Three, 1888.....	46	1898 (55-2).....	133
Two, 1889.....	54	1899 (55-3).....	147
Three protected, 1893.....	85	1900 (56-1).....	160
Six, 1895.....	99	1901 (56-2).....	175
One, 1898.....	134	1902 (57-1).....	193
Two, 1902.....	193	1903 (57-2).....	206
One, 1911.....	331	1904 (58-2).....	220
One river, 1911.....	331	1905 (58-3).....	230
Gunnery prizes.....	43, 304, 387	1906 (59-1).....	247
Guns.. 25, 37, 54, 58, 96, 104, 124, 179, 209, 236, 251, 268, 288, 305, 322, 339, 391		1907 (59-2).....	261
Caliber of.....	514-519	1908 (60-1).....	281
Number and caliber, naval powers.....	534	1909 (60-2).....	299
Number and caliber, on ships.....	514-519	1910 (61-2).....	316
		1911 (61-3).....	330
H.		1912 (62-2).....	351
Harbors, depths of.....	542	1913 (62-3).....	365
Hartford, to be fitted out as training ship.....	92, 108	1914 (63-2).....	378
Hazing, rules to prevent.....	204	1915 (63-3).....	414
Heat and light furnished Y.M.C.A.....	323	Indirect expense incident to cost of work.....	303
Heavy oil engine.....	363, 377	Initial naval legislation.....	5
History of the Spanish-American War, Maclay, barred.....	191	Inspection, cost of, to be reported..	194
Hospital Corps, pay of.....	278	Instruction of midshipmen, apparatus for.....	191
Hospital stewards, payments to, allowed.....	335	Instructors, retired officers as.....	95
		Instruments and supplies.....	388
		Introduction.....	5
		Ironclads, double turreted, machinery for.....	14, 23
		Irons, as punishment, abolished....	267



K.	Page.	Machinery plants—Continued.	Page.
Key West, Fla., public works:		Key West, 1898 (55-2) . . . . .	132
1889 (50-2) . . . . .	50	Mare Island—	
1890 (51-1) . . . . .	60	1890 (51-1) . . . . .	63
1894 (53-2) . . . . .	90	1897 (54-2) . . . . .	119
1895 (53-3) . . . . .	98	1900 (56-1) . . . . .	158
1896 (54-1) . . . . .	105	1901 (56-2) . . . . .	174
1897 (54-2) . . . . .	117	1902 (57-1) . . . . .	191
1899 (55-3) . . . . .	143	1908 (60-1) . . . . .	279
1900 (56-1) . . . . .	155	1909 (60-2) . . . . .	288, 297
1901 (56-2) . . . . .	168	New Orleans—	
1902 (57-1) . . . . .	183	1906 (59-1) . . . . .	245
1903 (57-2) . . . . .	198	1908 (60-1) . . . . .	269, 279
1904 (58-2) . . . . .	212	New York—	
1905 (58-3) . . . . .	226	1890 (51-1) . . . . .	63
1906 (59-1) . . . . .	238	1899 (55-3) . . . . .	146
1907 (59-2) . . . . .	254	1905 (58-3) . . . . .	230
1909 (60-2) . . . . .	291	1907 (59-2) . . . . .	261
1911 (61-3) . . . . .	325	1909 (60-2) . . . . .	297
1912 (62-2) . . . . .	342	Norfolk—	
1915 (63-3) . . . . .	393	1898 (55-2) . . . . .	132
L.		1899 (55-3) . . . . .	146
Labor, limitation of hours . . . . .	331, 352	1902 (57-1) . . . . .	191
Laboratory, naval . . . . .	26	1903 (57-2) . . . . .	203
Launching ways . . . . .	61, 69	1904 (58-2) . . . . .	219
Laundry, naval hospital, New		1906 (59-1) . . . . .	245
York . . . . .	62	1909 (60-2) . . . . .	297
Leave, annual and sick . . . . .	286	Pensacola—	
Lecturers, civilian at War College . . . . .	164	1905 (58-3) . . . . .	230
Lepers, care of, Guam and Culion . . . . .	256,	1908 (60-1) . . . . .	269
274, 292, 338, 386		Philadelphia—	
Lighter:		1892 (52-1) . . . . .	78
Ammunition, Cavite . . . . .	202	1899 (55-3) . . . . .	146
Ammunition, Puget Sound . . . . .	164	1901 (56-2) . . . . .	174
For New York . . . . .	119	1902 (57-1) . . . . .	190
Shell . . . . .	58	1907 (59-2) . . . . .	261
Limitation of duties, enlisted men . . . . .	352	1909 (60-2) . . . . .	288, 297
London fiscal agents . . . . .	81	Philippine Islands—	
Loss of personal effects, reimburse-		1907 (59-2) . . . . .	261
ment for . . . . .	233	1909 (60-2) . . . . .	298
M.		Port Orchard, 1898 (55-2) . . . . .	132
Machinery for double-turreted iron-		Portsmouth—	
clads . . . . .	14, 23	1900 (56-1) . . . . .	158
Machinery plants:		1906 (59-1) . . . . .	245
Algiers, 1900 (56-1) . . . . .	158	1908 (60-1) . . . . .	279
Boston—		1909 (60-2) . . . . .	297
1890 (51-1) . . . . .	63	Puget Sound—	
1898 (55-2) . . . . .	132	1899 (55-3) . . . . .	146
1900 (56-1) . . . . .	158	1902 (57-1) . . . . .	191
1903 (57-2) . . . . .	203	1908 (60-1) . . . . .	279
1904 (58-2) . . . . .	219	1909 (60-2) . . . . .	288, 298
1908 (60-1) . . . . .	279	San Juan, 1900 (56-1) . . . . .	158
1909 (60-2) . . . . .	288, 297	Magazines:	
Charleston—		Alaska . . . . .	67
1906 (59-1) . . . . .	245	Chelsea . . . . .	217
1908 (60-1) . . . . .	269	Crane Island . . . . .	67, 96
Engineering experiment sta-		Dover . . . . .	104,
tion, Naval Academy—		151, 172, 187, 228, 241, 257, 268	125,
1909 (60-2) . . . . .	298	138, 188, 242, 327, 359	104,
1913 (62-3) . . . . .	360, 364	Fort Mifflin . . . . .	104,
1915 (63-3) . . . . .	407	125, 138, 172, 187, 217, 229, 241,	257, 275, 293, 310, 327, 345, 394
Hawaii—		Fort Norfolk . . . . .	201
1900 (56-1) . . . . .	158	Guantanamo . . . . .	328
1912 (62-2) . . . . .	349	Hawaii . . . . .	346, 360
		Hingham . . . . .	346, 360

Magazines--Continued.	Page.	Marine Corps--Continued.	Page.
Iona Island.....	172, 187, 201,	1894 (53-2).....	93
228, 258, 276, 293, 327, 345, 359		1896 (54-1).....	110
Lake Denmark.....	201,	1897 (54-2).....	120
217, 294, 327, 345, 359		1898 (55-2).....	133
Mare Island.....	88, 188,	1899 (55-3).....	146
217, 242, 257, 268, 276,		1900 (56-1).....	159
293, 310, 327, 345, 360		1901 (56-2).....	175
Naval proving ground.....	96	1902 (57-1).....	192
New England coast.....	201,	1903 (57-2).....	206
216, 241, 257, 294		1904 (58-2).....	219
New York Harbor.....	138	1905 (58-3).....	230
Norfolk.....	187	1906 (59-1).....	243, 247
Pensacola, Fla.....	242, 276	1907 (59-2).....	259, 261
Philippine Islands.....	217,	1908 (60-1).....	277, 280
276, 311, 328, 360		1909 (60-2).....	295, 299
Puget Sound.....	188, 258, 276,	1910 (61-2).....	311, 316
294, 310, 327, 345, 360, 394		1911 (61-3).....	330
St. Juliens Creek.....	138,	1912 (62-2).....	350
151, 172, 202, 217, 229, 241,		1913 (62-3).....	365
257, 294, 327, 345, 359, 394		1914 (63-2).....	378
Maine, relics from.....	349	1915 (63-3).....	409
Maintenance:		Accounting, pay.....	159
Supplies and Accounts inci-		Additions to.....	110, 123, 146
dental expenses.....	362, 375, 403	Corresponding grades in Army	
Yards and Docks. 12, 116, 289, 323, 392		and Navy.....	603
Mare Island, Cal., public works:		Increase in personnel..	192, 205, 280
1887 (49-2).....	38	Officers, reduction in number.	24
1888 (50-1).....	44, 46	Officers, retired list.....	571
1889 (50-2).....	50	Retirement acts.....	604
1890 (51-1).....	60	Strength.....	570
1891 (51-2).....	69	Marine railways.....	546
1892 (52-1).....	77	Marines to serve afloat.....	299
1893 (52-2).....	83	Master, title of, changed.....	7
1894 (53-2).....	88, 90	Medal of honor, distinguished serv-	
1895 (53-3).....	97	ices.....	386
1896 (54-1).....	105	Medical reserve corps.....	346
1897 (54-2).....	117	Medicine and Surgery, Bureau of:	
1898 (55-2).....	128	1883 (47-2).....	13
1899 (55-3).....	143	1885 (48-2).....	25
1900 (56-1).....	155	1887 (49-2).....	38
1901 (56-2).....	168	1888 (50-1).....	45
1902 (57-1).....	183	1889 (50-2).....	51
1903 (57-2).....	198	1890 (51-1).....	62
1904 (58-2).....	212	1891 (51-2).....	70
1905 (58-3).....	226	1894 (53-2).....	91
1906 (59-1).....	238	1895 (53-3).....	98
1907 (59-2).....	254	1896 (54-1).....	107
1908 (60-1).....	271	1897 (54-2).....	118
1909 (60-2).....	291	1898 (55-2).....	131
1910 (61-2).....	309	1899 (55-3).....	145
1911 (61-3).....	325	1900 (56-1).....	157
1912 (62-2).....	343	1901 (56-2).....	174
1913 (62-3).....	358	1902 (57-1).....	188
1914 (63-2).....	373	1903 (57-2).....	202
1915 (63-3).....	394	1904 (58-2).....	218
Marine Corps:		1905 (58-3).....	229
1883 (47-2).....	18	1906 (59-1).....	242
1885 (48-2).....	24	1907 (59-2).....	258, 259
1887 (49-2).....	39	1908 (60-1).....	276, 278
1888 (50-1).....	46	1910 (61-2).....	311
1889 (50-2).....	52	1912 (62-2).....	346
1890 (51-1).....	63	1913 (62-3).....	360
1891 (51-2).....	71	1914 (63-2).....	374
1892 (52-1).....	78	1915 (63-3).....	395
1893 (52-2).....	84		

Medicine and Surgery, public works:	Page.	Naval Academy—Continued.	Page.
1887 (49-2).....	38	1891 (51-2).....	71
1889 (50-2).....	51	1893 (52-2).....	84
1890 (51-1).....	62	1894 (53-2).....	90, 92
1891 (51-2).....	68	1895 (53-3).....	98, 99
1894 (53-2).....	91	1896 (54-1).....	106, 109
1896 (54-1).....	107	1897 (54-2).....	117, 120
1897 (54-2).....	118	1898 (55-2).....	132
1898 (55-2).....	131	1899 (55-3).....	145
1899 (55-3).....	145	1900 (56-1).....	157, 159
1900 (56-1).....	158	1901 (56-2).....	171, 173, 174, 175
1902 (57-1).....	188	1902 (57-1).....	191
1905 (58-3).....	229	1903 (57-2).....	200, 204, 205
1906 (59-1).....	242	1904 (58-2).....	215, 219
1907 (59-2).....	258	1905 (58-3).....	227
1908 (60-1).....	276	1906 (59-1).....	240, 245
1914 (63-2).....	374	1907 (59-2).....	255
1915 (63-3).....	394	1908 (60-1).....	274, 280
Memorials, Naval Academy.....	298, 329	1909 (60-2).....	292, 298
Mexican coast, survey of.....	29	1910 (61-2).....	310, 313
Midshipman, title of, changed.....	7	1911 (61-3).....	326, 329
Midshipmen:		1912 (62-2).....	344, 350
Appointment of....	159, 191, 204, 246	1913 (62-3).....	359, 364
Enlisted men eligible.....	378	1914 (63-2).....	373, 378
Increase in number of.....	191	1915 (63-3).....	407
Length of service.....	355	Dairy.....	362
Number of, 1879-1915.....	569	Officers, instructors.....	364
Porto Rico represented.....	205	Organization and pay.....	313, 407
Special instruction.....	174	Purchase of land.....	171
Store fund closed.....	280	Servants, extra pay.....	350, 364
Mileage.....	149, 235, 299, 369, 378, 410	Naval apprentices, bounty for....	57
Mines and appliances.....	252, 305	Naval asylum, Philadelphia:	
Model tank.....	108, 119	1883 (47-2).....	19
Monitors:		1888 (50-1).....	45
Arkansas class, new turret sights.....	251	Naval auxiliaries.....	388
Four double-turreted, work to be discontinued, 1884.....	22	Naval constructors, assistant.....	406
Completion authorized, 1886..	33	Naval docks:	
Two double-bottomed, authorized, 1886.....	33	Depths of water to sill.....	544
Five to complete, 1887.....	42	General dimensions.....	544
One steel cruising, 1889.....	52	Material used in construction..	544
Four, 1898.....	134	Naval Home, Philadelphia:	
Names of.....	283	1906 (59-1).....	235
Museum of hygiene.....	91	1912 (62-2).....	339
		1914 (63-2).....	371
		1915 (63-3).....	390
		Admission to.....	126
		Personal effects of inmates.....	339
		Naval Hospital and Sanitarium,	
		Penobscot Bay, Me.....	38
		Naval hospitals:	
		Chelsea.....	118, 145, 229, 361
		Great Lakes.....	277, 311
		Guantanamo.....	259
		Mare Island.....	158, 188, 243, 374
		Naval Academy.....	215, 276
		Newport.....	95, 158, 174, 242
		New York.....	91, 107, 157, 202, 394
		Norfolk.....	39, 45, 218, 242, 276
		Pensacola.....	258
		Philippine Islands.....	189, 218, 243, 258
		Port Royal.....	118
		Portsmouth.....	51, 62, 139
		Puget Sound.....	277, 374
		Washington.....	202, 258
		Yokohama.....	202, 242
		Sites for.....	361
		Naval Militia.....	68, 104, 150, 323, 386



Naval Observatory:	Page.	Naval training station—Continued.	Page.
1886 (49-1).....	32	Rhode Island—	
1887 (49-2).....	38	1887 (49-2).....	38
1888 (50-1).....	45	1888 (50-1).....	43
1889 (50-2).....	51	1892 (52-1).....	82
1891 (51-2).....	70	1895 (53-3).....	95
1892 (52-1).....	77	1900 (56-1).....	150
1893 (52-2).....	84	1901 (56-2).....	171
1894 (53-2).....	90	1902 (57-1).....	186
1895 (53-3).....	98	1903 (57-2).....	200
1896 (54-1).....	106	1904 (58-2).....	215
1897 (54-2).....	118	1905 (58-3).....	228
1898 (55-2).....	130	1906 (59-1).....	240
1900 (56-1).....	157	1907 (59-2).....	256
1901 (56-2).....	172	1908 (60-1).....	274
1902 (57-1).....	188	1909 (60-2).....	287, 292
1904 (58-2).....	217	1910 (61-2).....	310
1905 (58-3).....	229	1911 (61-3).....	326
1906 (59-1).....	242	1912 (62-2).....	344
1907 (59-2).....	258	1913 (62-3).....	359
1909 (60-2).....	295	1915 (63-3).....	389
1910 (61-2).....	311	St. Helena, 1915 (63-3).....	390
1911 (61-3).....	327	Navigation, Assistant to Chief of	
1912 (62-2).....	344	Bureau.....	81
1913 (62-3).....	359	Navigation, Bureau of:	
Naval Operations, Chief of.....	384	1883 (47-2).....	9
Naval pension fund.....	371	1885 (48-2).....	23
Naval prison, Mare Island.....	160	1886 (49-1).....	29
Naval proving ground, land and		1888 (50-1).....	43
buildings.....	37, 58, 75, 96, 164	1889 (50-2).....	49
Naval proving ground, public		1890 (51-1).....	57
works:		1891 (51-2).....	67
1901 (56-2).....	172	1893 (52-2).....	81
1902 (57-1).....	188	1894 (53-2).....	88
1903 (57-2).....	202	1895 (53-3).....	95
1904 (58-2).....	217	1896 (54-1).....	103
1905 (58-3).....	229	1897 (54-2).....	115
1906 (59-1).....	241	1898 (55-2).....	124
1907 (59-2).....	257	1899 (55-3).....	137
1908 (60-1).....	275	1900 (56-1).....	149
1909 (60-2).....	293	1901 (56-2).....	163, 171
1910 (61-2).....	310	1902 (57-1).....	177, 186
1911 (61-3).....	327	1903 (57-2).....	200
1912 (62-2).....	345	1904 (58-2).....	215
1913 (62-3).....	359	1905 (58-3).....	228
1914 (63-2).....	373	1906 (59-1).....	235, 240
1915 (63-3).....	391, 394	1907 (59-2).....	256
Naval Reserve:		1908 (60-1).....	267, 274
Creation of.....	398	1909 (60-2).....	287, 292
Status of.....	398	1910 (61-2).....	304, 310
Enlistment in.....	399	1911 (61-3).....	322
Transfers.....	399	1912 (62-2).....	338
Badge of.....	399	1914 (63-2).....	370
Pay of.....	399	1915 (63-3).....	386
Service required of members..	400	Navy, corresponding grades in	
Retired list to active service..	400	Army and Marine Corps.....	603
Naval supply account created.....	328	Navy, lists of ships.....	607
Naval supply fund.....	84, 107, 118	Navy retirement acts.....	603
Naval supply fund abolished.....	328	Navy-yard employees.....	564
Naval training station:		Navy-yard ports.....	542
California.....	124, 137,	Navy yards, distances between...	543
150, 171, 186, 200, 215, 228, 240,		Navy yards, new ships may be	
256, 274, 292, 327, 359, 388, 394		built in.....	379
Great Lakes.....	215, 235,		
240, 256, 275, 287, 293, 295, 389			
Board to select site for....	178		

	Page.	Officers—Continued.	Page.
New London, Conn., public works:		Advancement.....	163
1890 (51-1).....	61	Appointment of, from civil life.....	123
1899 (55-3).....	142	Duty in Philippines.....	163
1900 (56-1).....	154	Former engineer, to be additional numbers.....	322
1902 (57-1).....	181	Increase in number of.....	203
1903 (57-2).....	196	Marine Corps, retired list.....	571
1908 (60-1).....	277	Outside employment of.....	103
New Orleans, La., public works:		Pay on promotion.....	356
1902 (57-1).....	184	Retired, detailed as instructors.....	95
1903 (57-2).....	199	Retired, eligibility to and pay of, on active duty.....	336
1904 (58-2).....	213	Retired list, number of.....	570
1905 (58-3).....	227	Retirement in next higher grade.....	322
1906 (59-1).....	239	Retirement of, pay of, on shore.....	233, 234
1907 (59-2).....	255	On shore duty.....	20, 77
1908 (60-1).....	271	Officers' quarters:	
1903 (60-2).....	291	Charleston.....	277
1910 (61-2).....	309	Colonel commandant's.....	63
Norfolk, Va., public works:		Fort Norfolk, Va.....	88
1887 (49-2).....	38	Mare Island.....	40, 70
1888 (50-1).....	44	Naval Academy.....	146, 175
1889 (50-2).....	50	Naval training station, California.....	150
1890 (51-1).....	60	Newport.....	111
1891 (51-2).....	68, 69	Norfolk.....	277, 312
1892 (52-1).....	76	Pensacola.....	259, 277
1893 (52-2).....	83	Philadelphia.....	259, 277, 311
1894 (53-2).....	89	Philippine Islands.....	277
1895 (53-3).....	97	Sitka.....	111, 160
1896 (54-1).....	105	Washington.....	259
1897 (54-2).....	117	Olongapo, P. I., public works:	
1898 (55-2).....	129	1904 (58-2).....	214
1899 (55-3).....	142	1905 (58-3).....	227
1900 (56-1).....	154	1906 (59-1).....	239
1901 (56-2).....	167	1907 (59-2).....	255
1902 (57-1).....	182	1908 (60-1).....	272
1903 (57-2).....	198	1913 (62-3).....	359
1904 (58-2).....	212	Ordnance, assistant to Chief of Bureau of.....	126
1905 (58-3).....	225	Ordnance buildings:	
1906 (59-1).....	238	Philadelphia.....	138
1907 (59-2).....	253	Puget Sound.....	150
1908 (60-1).....	270	St. Helena.....	150
1909 (60-2).....	290	Torpedo station.....	392
1910 (61-2).....	308	Washington, D. C.....	195
1911 (61-3).....	324	Ordnance, Bureau of:	
1912 (62-2).....	342	1883 (47-2).....	10
1913 (62-3).....	358	1885 (48-2).....	23, 25
1914 (63-2).....	373	1886 (49-1).....	30
1915 (63-3).....	393	1887 (49-2).....	37
Nurse Corps... 278, 285, 295, 303, 356, 375		1888 (50-1).....	43
(.)		1889 (50-2).....	49
Ocean surveys:		1890 (51-1).....	58
1883 (47-2).....	10	1891 (51-2).....	67, 72
1886 (49-1).....	29	1892 (52-1).....	75, 80
1890 (51-1).....	57	1893 (52-2).....	82, 86
1899 (55-3).....	139	1894 (53-2).....	88
1905 (58-3).....	223	1895 (53-3).....	95
1912 (62-2).....	341	1896 (54-1).....	101
1914 (63-2).....	371		
1915 (63-3).....	388		
Officers:			
Active list.....	557		
Average number.....	557		
Retired.....	560, 570		
Active list, number of.....	569		

Ordnance, Bureau of—Continued.		Page.	Pay of the Navy:		Page.
1897 (54-2)	115		1883 (47-2)	7	
1898 (55-2)	124		1885 (48-2)	23, 25	
1899 (55-3)	138		1886 (49-1)	29	
1900 (56-1)	150		1892 (52-1)	75	
1901 (56-2)	164, 172		1893 (52-2)	81	
1902 (57-1)	178, 187		1894 (53-2)	87	
1903 (57-2)	195, 201		1895 (53-3)	95	
1904 (58-2)	209, 216		1896 (54-1)	103	
1905 (58-3)	223, 228		1898 (55-2)	123	
1906 (59-1)	135, 141		1899 (55-3)	137	
1907 (59-2)	251, 257		1901 (56-2)	163	
1908 (60-1)	267, 275		1905 (58-3)	223	
1909 (60-2)	287, 293		1906 (59-1)	233	
1910 (61-2)	305, 310		1907 (59-2)	251	
1911 (61-3)	322		1908 (60-1)	265	
1912 (62-2)	339		1909 (60-2)	285	
1913 (62-3)	357		1910 (61-2)	303	
1915 (63-3)	391		1911 (61-3)	321	
Ordnance, experiments and tests	75,		1912 (62-2)	335	
	82, 289, 357, 392		1913 (62-3)	355	
Ordnance shops	164,		1915 (63-3)	396	
	178, 195, 209, 223, 268, 288		1886-1916	566	
Outfits on first enlistment	149,		One fund	374	
	177, 235, 371, 388		Pay, rates of, officers:		
Overhead charges, distribution of	379		Active list	265	
			Retired list	266	
			Pay tables	576-602	
P.			Pearl Harbor, Hawaii, public works:		
Panama Canal:			1901 (56-2)	170	
Appropriations	555		1906 (59-1)	239	
Fortification	555		1907 (59-2)	255	
Statistics	554		1908 (60-1)	272	
Panama Canal Exposition	333, 369		1909 (60-2)	291	
Partial payments on contracts	321		1910 (61-2)	309	
Patent rights, ordnance appli-			1911 (61-3)	326	
cances	96, 115		1912 (62-2)	343	
Pay and allowances, schedule of	383		1913 (62-3)	359	
Pay clerks:			1914 (63-2)	373	
Appointment of	401		Site	165	
Service as enlisted men	401		Pensacola, Fla., public works:		
Pay and allowances	402		1900 (56-1)	156	
Commission as chief	402		1901 (56-2)	169	
Number of	402		1902 (57-1)	184	
Length of service	402		1903 (57-2)	199	
Age	402		1904 (58-2)	213	
Pay Corps, increase of number	145, 335		1905 (58-3)	226	
Pay department stores, sale of, to			1906 (59-1)	239	
civilians	218		1907 (59-2)	254	
Pay, enlisted men upon reenlist-			1908 (60-1)	271	
ment	338		1909 (60-2)	290	
Pay, extra duty, Marine Corps	299		1910 (61-2)	309	
Paymasters, assistant, increase in			1915 (63-3)	393	
number of	131		Pensions, inmates of Naval Home	372	
Paymaster's clerks	303, 321		Personnel act (text in full)	417	
Pay, miscellaneous:			Personnel act, section 9 repealed	396	
1883 (47-2)	8		Personnel, chronological list of acts	573	
1885 (48-2)	23, 25		Personnel, principal naval powers	572	
1886 (49-1)	29		Pharmacist, grade of established	348	
1893 (52-2)	81		Philadelphia, Pa., public works:		
1900 (56-1)	149		1888 (50-1)	44	
1906 (59-1)	233		1889 (50-2)	49	
1908 (60-1)	267		1890 (51-1)	60, 65	
1909 (60-2)	285		1891 (51-2)	68	
1912 (62-2)	337		1892 (52-1)	76	
1913 (62-3)	356		1893 (52-2)	82	
1914 (63-2)	369		1894 (53-2)	89	
1915 (63-3)	383				



	Page.		Page.
Philadelphia, Pa., public works—		Portsmouth, N. H., public works—	
Continued.		Continued.	
1895 (53-3).....	96	1910 (61-2).....	307
1896 (54-1).....	105	1911 (61-3).....	323
1897 (54-2).....	116	1912 (62-2).....	341
1898 (55-2).....	127	1913 (62-3).....	357
1899 (55-3).....	141	Powder, limit of cost of.....	287, 288
1900 (56-1).....	153	Powder factory....	125, 138, 195, 373, 391
1901 (56-2).....	167	Power plants, consolidation of, at	
1902 (57-1).....	181	navy yards.....	214
1903 (57-2).....	197, 206	Pneumatic Dynamite Gun Co.,	
1904 (58-2).....	211	contract with.....	35, 53
1905 (58-3).....	224	Practice vessel, Naval Academy,	
1906 (59-1).....	237	authorized, 1888.....	47
1907 (59-2).....	253	Prefatory note.....	3
1908 (60-1).....	270	Preference given Government	
1909 (60-2).....	290	plants.....	380
1910 (61-2).....	307	Principal items, Paymaster Gen-	
1911 (61-3).....	324	eral's Report, 1915.....	492
1912 (62-2).....	342	Prisoners:	
1913 (62-3).....	358	Discharged, transportation of .	287
1914 (63-2).....	372	Rations for.....	295
1915 (63-3).....	393	Prizes, steaming exercises....	43, 304, 387
Philippine Islands, location of		Prohibition against trade monopoly	332,
naval station at.....	170, 174	353, 366, 381, 416	
Plans and specifications for public		Projectiles.....	67,
works.....	170, 186,	124, 125, 235, 268,	
200, 215, 227, 240, 255, 273, 292		288, 305, 340, 357	
Port Royal, S. C., public works:		Promotions.....	204, 298, 356
1888 (50-1).....	44	Property accounts, storekeeper,	
1889 (50-2).....	50	Naval Academy.....	280
1890 (51-1).....	60	Property investment, Naval Acad-	
1891 (51-2).....	68	emy.....	488
1892 (52-1).....	77	Propulsion of vessels, investigation	113
1893 (52-2).....	83	Provisions and Clothing, Bureau of:	
1894 (53-2).....	89	1883 (47-2).....	13
1895 (53-3).....	97	1885 (48-2).....	23, 26
1896 (54-1).....	105	1886 (49-1).....	31
1897 (54-2).....	117	1887 (49-2).....	39
1898 (55-2).....	128	1888 (50-1).....	46
1899 (55-3).....	142	1889 (50-2).....	51
1900 (56-1).....	154	1890 (51-1).....	62
1902 (57-1).....	184	1891 (51-2).....	70
1914 (63-2).....	374	Name changed 1892.....	77
Porter, David D., statue of.....	126	Provisions, contracts for.....	362
Porto Rico:		Publication of Yearbook.....	2
To be represented at Naval		Puget Sound, Wash., public works:	
Academy.....	205	1891 (51-2).....	69
Location of naval station at....	170	1893 (52-2).....	83
Portsmouth, N. H., public works:		1894 (53-2).....	90
1890 (51-1).....	59	1895 (53-3).....	98
1891 (51-2).....	68	1896 (54-1).....	106
1892 (52-1).....	76	1897 (54-2).....	117
1893 (52-2).....	82	1898 (55-2).....	129
1898 (55-2).....	127	1899 (55-3).....	144
1899 (55-3).....	139	1900 (56-1).....	150, 156
1900 (56-1).....	151	1901 (56-2).....	169
1901 (56-2).....	165	1902 (57-1).....	183
1902 (57-1).....	179	1903 (57-2).....	199
1903 (57-2).....	195	1904 (58-2).....	213
1904 (58-2).....	210	1905 (58-3).....	226
1905 (58-3).....	223	1906 (59-1).....	239
1906 (59-1).....	236	1907 (59-2).....	254
1907 (59-2).....	252	1908 (60-1).....	271
1908 (60-1).....	269	1909 (60-2).....	291
1909 (60-2).....	289	1910 (61-2).....	309

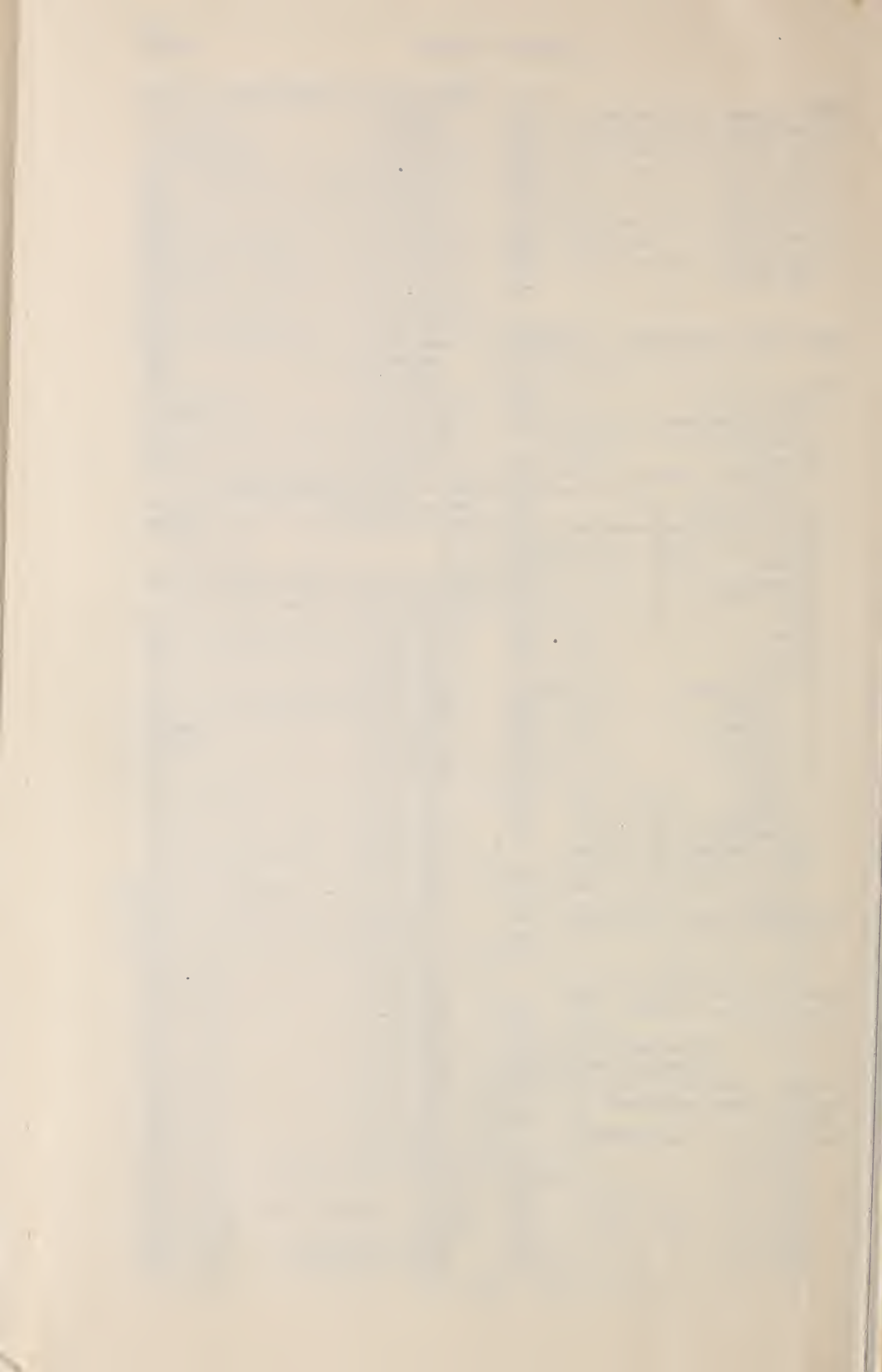
	Page.		Page.
Puget Sound, Wash., public works—		Sea strength, principal naval	
Continued.		powers.....	605
1911 (61-3).....	325	Seamen, additional.....	95
1912 (62-2).....	343	Secretary to report building:	
1913 (62-3).....	358	Four warships.....	415
1914 (63-2).....	373, 374	Air craft.....	415
1915 (63-3).....	394	Service, previous, benefits of, to	
Purchase of war material abroad,		officers.....	103
emergency.....	339	Shears, 100-ton, removal, Boston to	
Purchase less than \$500 in value..	260	Portsmouth.....	273
Q.		Shell lighter.....	58
Quarters, hire of, for officers serv-		Shell, purchase of, conditions.....	236
ing with troops.....	251	Shell, standards for.....	268
R.		Shipbuilding, contract require-	
Radio laboratory.....	377	ments.....	34
Radio stations.....	236, 340, 341, 377, 407	Shipbuilding, Gulf of Mexico....	41,
Rates of pay.....	576-602	65, 100, 112, 379	
Rations:		Shipbuilding in navy yards. 34, 221, 231,	
Marine Corps.....	39, 71, 110, 175, 411	248, 262, 281, 331, 366, 379, 415	
Navy.....	23	Shipbuilding, Pacific coast. 41, 65, 99,	
26, 31, 77, 189, 243, 259, 295, 403		111, 134, 147, 248,	
Records of Revolutionary War....	246	282, 331, 379, 414	
Recruiting.....	387	Ships:	
Recruiting station.....	567	Active.....	349
Addresses of.....	567	Adder.....	279
Refrigerating plant, Port Royal...	373	Alabama.....	278
Remains, transportation of.....	149,	Albany.....	178, 349
177, 218, 395		Alert.....	26
Repairs, marine barracks.....	19,	Amphitrite.....	22, 33
52, 63, 64, 72, 78, 84, 93, 110, 120,		Annapolis.....	312
133, 230, 243, 277, 295, 311, 412		Apache.....	296
Repairs to ships.....	278,	Arayat.....	312
296, 312, 329, 349, 362		Arethusa.....	329
Repairs to ships, limited.....	260	Arkansas.....	251
Repairs, wooden vessels, limited..	5, 14	Atlanta.....	22, 30, 108, 109
Report to Congress:		Baltimore.....	101, 108, 164, 278
Four warships.....	415	Bear.....	27
Air craft.....	415	Bennington.....	101, 108, 279
Ships.....	71	Bienville.....	101
Required by the public interests,		Boston.....	22, 30, 312
shore duty.....	20, 77	Brooklyn.....	251, 278, 312
Requirements for enlistment.....	566	Charleston.....	312
Retirement....	220, 233, 285, 322, 335, 348	Chattanooga.....	296
Retirement, acts relating to.....	603	Chicago.....	22,
Retirement, Army, Navy, and		30, 92, 98, 108, 109, 119, 124, 131	
Marine Corps.....	603	Cleveland.....	296
Retirement, officers who served		Colorado.....	312
during the Civil War.....	285	Columbia.....	349
Review, foreign fleets....	78, 85, 333, 369	Concord.....	101, 296
Rifle range.....	171, 328, 346	Connecticut.....	248
S.		Constellation.....	376
Sale of Mississippi and Idaho .....	381	Constitution.....	92, 119, 245
San Francisco fire, loss of personal		Denver.....	296
effects, reimbursement for.....	233	Des Moines.....	296
San Juan, P. R., public works:		De Soto.....	101
1900 (56-1).....	156	Detroit.....	312, 323
1901 (56-2).....	169	Dolphin.....	22, 30, 109
1902 (57-1).....	184	Elcano.....	296
Schools, military, loan of naval		Elfrida.....	150
equipment to.....	306	Enterprise.....	109, 119
		Ericsson.....	176
		Essex.....	313
		Florida.....	332
		Fortune.....	92, 108
		Galveston.....	296

Ships—Continued.	Page.	Ships—Continued.	Page.
Georgia.....	329	Standish.....	92, 108
Gopher.....	313	Stiletto.....	37
Grampus.....	279	Supply.....	296
Hannibal.....	363	Swatara.....	108
Hartford. 78, 92, 108, 109, 115, 119, 131		Sylvia.....	349
Holland.....	146, 161, 279	Tacoma.....	296
Idaho.....	381	Terror.....	22, 33
Illinois.....	278	Thetis.....	27
Ingalls.....	313	Unadilla.....	349
Iowa.....	251, 278	Uncas.....	349
Iris.....	312	Vermont.....	49
Iroquois.....	312, 329	Vestal.....	297, 349
Justin.....	363	Vesuvius.....	43, 94, 108
Kearsarge.....	78, 100, 278	Virginia.....	329
Kentucky.....	279	Waban.....	313
Lancaster.....	59	West Virginia.....	312
Leonidas.....	363	Wisconsin.....	296
Lincoln.....	296	Wolverine.....	352
Maine.....	134, 279, 296, 349	Yantic.....	125, 349
Maryland.....	312	Yankee.....	296
Miantonomoh.....	35, 55, 108	Yorktown.....	101, 296
Michigan.....	116, 134, 352	Complements of.....	514-517
Minneapolis.....	349	On Navy list.....	607
Minnesota.....	363	Stores, profit on sales from....	312
Mississippi.....	381	Shore duty, officers.....	20, 77
Missouri.....	296	Sick quarters, Portsmouth, N. H.....	62
Moccasin.....	279	Sickness, statistics of.....	572
Mohican.....	24, 108	Small stores fund, credits to revert to Treasury.....	31
Monadnock.....	22, 33, 251	Smokeless powder.....	124,
Monterey.....	251	133, 195, 339, 357, 391	235
Nanshan.....	329, 363	Solicitor, pay of.....	235
Narkeeta.....	279	Special increase of the Navy act, 1886.....	33
Nero.....	313, 329	Speed, battleships, United States.....	528
Newark.....	41, 101, 178	Speed of vessels.....	493-497
New Orleans.....	178, 349	Specification requirements.....	41,
New Jersey.....	312	47, 53, 65, 72, 79, 85	
New York.....	39, 109, 195	Speed of warships, naval powers.....	525-532
Nicholson.....	279	Statistics relating to enlistment....	566
North Dakota.....	363	Steam Engineering, Assistant to Chief of Bureau.....	230
O'Brien.....	279	Steam Engineering, Bureau of:	
Ohio.....	296	1883 (47-2).....	14
Panther.....	349	1885 (48-2).....	23
Paraguay.....	296	1886 (49-1).....	32
Patapsco.....	279	1890 (51-1).....	63
Patuxent.....	279	1892 (52-1).....	78
Paul Jones.....	279	1894 (53-2).....	92
Penacook.....	349	1895 (53-3).....	95
Pennsylvania.....	312	1896 (54-1).....	109
Pensacola.....	108	1897 (54-2).....	119
Petrel.....	108	1898 (55-2).....	132
Philadelphia.....	101	1899 (55-3).....	146
Pike.....	279	1900 (56-1).....	158
Piscataqua.....	349	1901 (56-2).....	174
Pompey.....	349	1902 (57-1).....	190
Portsmouth.....	366	1903 (57-2).....	203
Potomac.....	313	1904 (58-2).....	218
Prometheus.....	297, 349, 363	1905 (58-3).....	230
Puritan.....	22, 33	1906 (59-1).....	245
Quiros.....	296	1907 (59-2).....	261
Rainbow.....	296	1908 (60-1).....	279
Ranger.....	108	1909 (60-2).....	297
Rodgers.....	296	1910 (61-2).....	313
Rhode Island.....	312	1911 (61-3).....	329
Samoset.....	349	1912 (62-2).....	349
San Francisco.....	278, 312		
Sebago.....	313		
Solace.....	349		



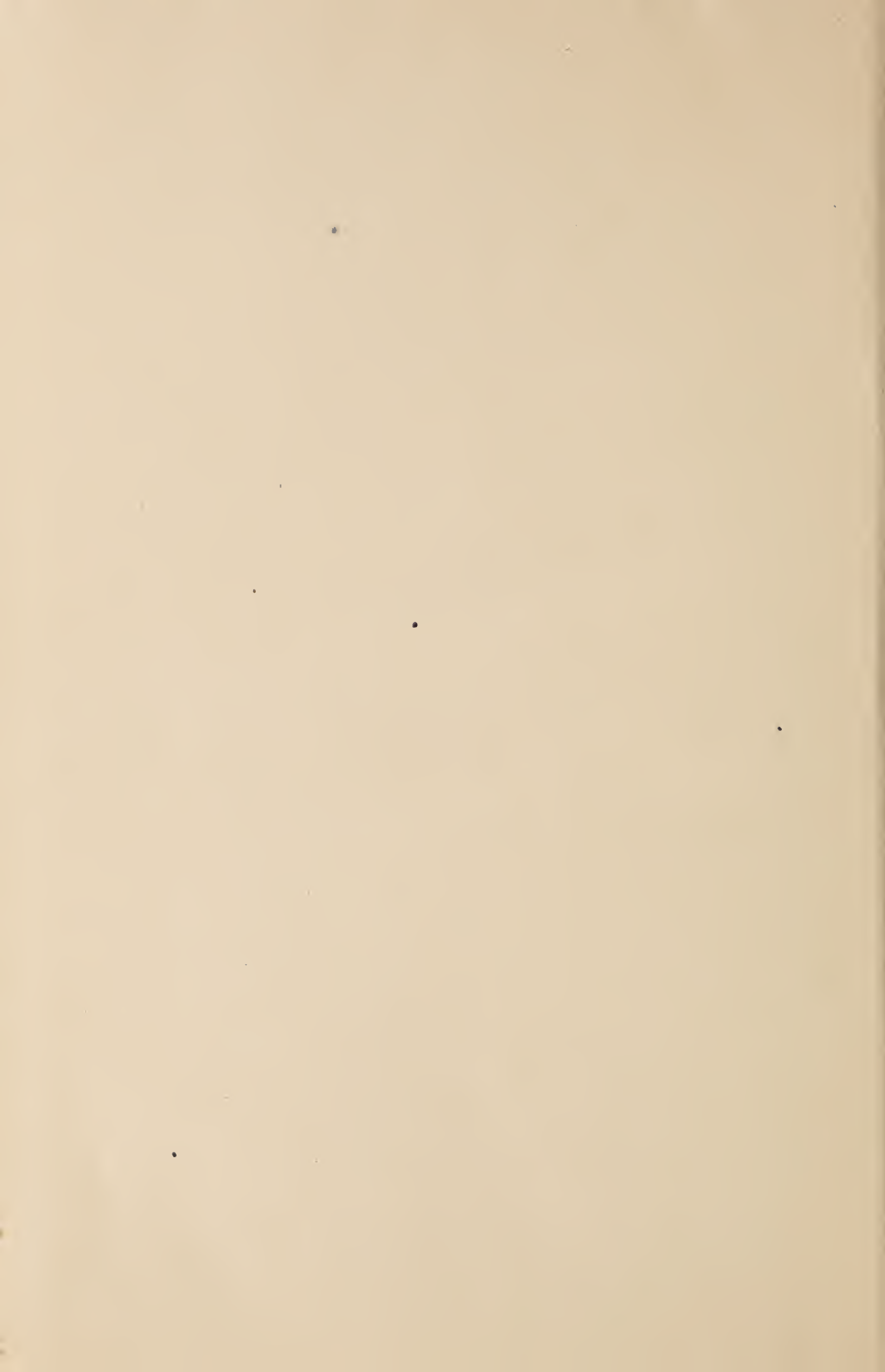


	Page.	Washington, D. C., public works—	Page.
Tutuila, Samoa, public works:		Continued.	
1889 (50-2).....	50	1895 (53-3).....	97
1901 (56-2).....	170	1896 (54-1).....	104, 105, 108
1902 (57-1).....	184	1897 (54-2).....	117
1903 (57-2).....	199	1898 (55-2).....	127
1904 (58-2).....	214	1899 (55-3).....	142
1905 (58-3).....	227	1900 (56-1).....	154
1907 (59-2).....	255	1901 (56-2).....	167
1908 (60-1).....	273	1902 (57-1).....	182
1909 (60-2).....	291	1903 (57-2).....	195, 197
1911 (61-3).....	326	1904 (58-2).....	211
U.		1905 (58-3).....	225
Useless papers, disposal of.....	336, 384	1907 (59-2).....	253
V.		1908 (60-1).....	270
Vessels:		1909 (60-2).....	290
Ages of.....	520	1910 (61-2).....	307
Alphabetical list of.....	493-497	1911 (61-3).....	324
Armaments and comple- ments.....	514-519	1912 (62-2).....	339, 342
Authorized, years and ses- sions.....	498-506	1913 (62-3).....	358
Austria-Hungary.....	533	1914 (63-2).....	372
Average cost of maintenance..	513	1915 (63-3).....	393
Cost of construction.....	510-513	Wooden vessels, no more money to be spent upon.....	5, 14
France.....	529	Wrecking pontoon.....	363, 379
Germany.....	527	Y.	
Great Britain.....	525-526	Yale University, custody of guns..	138
Italy.....	532	Yards and Docks, Bureau of:	
Japan.....	530	1883 (47-2).....	12
List of.....	607	1886 (49-1).....	31
Lost by—		1887 (49-2).....	38
Belligerents.....	536-538	1888 (50-1).....	44
Austria.....	538	1889 (50-2).....	49
England.....	536	1890 (51-1).....	59
France.....	536	1891 (51-2).....	68, 73
Germany.....	537-538	1892 (52-1).....	76, 80
Italy.....	537	1893 (52-2).....	82
Japan.....	537	1894 (53-2).....	88
Russia.....	537	1895 (53-3).....	96
Turkey.....	538	1896 (54-1).....	104
Lost, destroyed, sold, dropped from Navy list.....	512	1897 (54-2).....	116
Vesuvius, converted to cruiser, 1894.....	94	1898 (55-2).....	127
Vice admiral, grade of, established, pay and allowance.....	401	1899 (55-3).....	139
W.		1900 (56-1).....	151
Waiters, Naval Academy, addi- tional pay.....	350	1901 (56-2).....	165
War College.....	49,	1902 (57-1).....	179
57, 103, 104, 115, 124, 178, 187, 216, 228, 240, 287, 390		1903 (57-2).....	195
Warships, report on.....	415	1904 (58-2).....	210
Warrant officers, appointed en- signs.....	568	1905 (58-3).....	223
Washington, D. C., public works:		1906 (59-1).....	236
1888 (50-1).....	44	1907 (59-2).....	252
1889 (50-2).....	50, 55	1908 (60-1).....	269
1890 (51-1).....	60	1909 (60-2).....	289
1891 (51-2).....	68	1910 (61-2).....	307
1892 (52-1).....	76	1911 (61-3).....	323
1893 (52-2).....	83	1912 (62-2).....	341
1894 (53-2).....	88, 89	1913 (62-3).....	357
		1914 (63-2).....	372
		1915 (63-3).....	392
		Yards and Docks, Chief of Bureau of.....	236
		Yards and stations, United States Navy.....	545
		Cost of, completed.....	545
		Rise and fall of tide at.....	545















10

